

**Features :**

- ◆ Magnetic shielded structure.
- ◆ Ultra low buzz noise, due to composite construction.
- ◆ Low loss, high efficiency, wide application frequency to 1 MHz.
- ◆ Low DCR and High saturation current.
- ◆ Light weigh design, save space. Suitable for high desity SMT.
- ◆ Recommended solder profile: Reflow.
- ◆ Operating temperature: -40°C ~ +125°C( including coil's self temperature rise ).
- ◆ Storage temperature: -40°C ~ +80°C ( in Tape and Reel packaging).
- ◆ RoHS, REACH compliant, Haloger free available.

**Applications :**

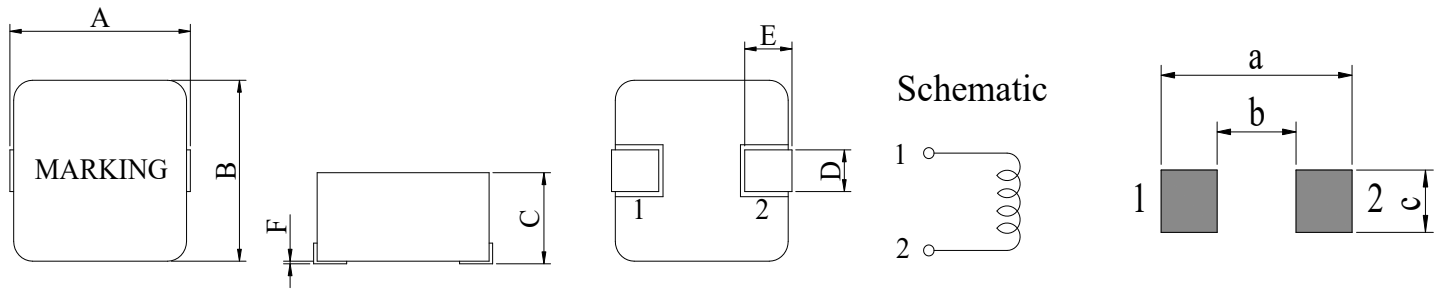
- ◆ Voltage Regulator Moduel
- ◆ Point-of-load modules (POL)
- ◆ Base station equipment
- ◆ Battery power systems
- ◆ Data networking and storage systems
- ◆ Multi-phase regulators
- ◆ Desktop and server VRMs and EVRDs
- ◆ Notebook and laptop regulators
- ◆ Garphic cards
- ◆ High current chokes for switching power supply

**Product Identification :**

PMF	62B		-	332	M	T		
Series name	External dimension L x W x T [mm]			Inductance Value	Inductance Tolerance	Packing		
Molding Type Carbon Base Iron Powder High Current Power Inductor	Code	Dimension		Code	Inductance value	Code	Tolerance	T ⇨ Tape & Reel B ⇨ Bulk with Trays
	42B	4.7x4.2x1.5		221	0.22 μH	J	±5%	
	42C	4.7x4.2x1.8		332	3.3 μH	K	±10%	
	42	4.7x4.2x2.0		473	47 μH	L	±15%	
	52B	5.7x5.1x1.5		104	100 μH	M	±20%	
	52C	5.7x5.1x1.8				N	±30%	
	52	5.7x5.1x2.0						
	53	5.7x5.1x3.0						
	62C	7.3x6.6x1.5						
	62D	7.3x6.6x1.8						
	62	7.3x6.6x2.0						
	62B	7.3x6.6x2.4						
	63	7.3x6.6x3.0						
	64	7.3x6.6x4.0						
	65	7.3x6.6x5.0						
	103	11.0x10.1x3.0						
	104	11.0x10.1x4.0						
	105	11.0x10.1x5.0						
	123B	13.5x12.5x3.5						
	124	13.5x12.5x4.0						
125	13.5x12.5x5.0							
126B	13.5x12.5x6.5							
177	17.5x17.2x7.0							

**Dimensions & Shape : [mm]**

**PAD LAYOUT**



Part number	A	B	C	D	E	F	a	b	c
PMF42B	4.7±0.3	4.2±0.3	1.5 max	1.5±0.3	1.0±0.5	0.15 typ	5.4	2.2	2.5
PMF42C	4.7±0.3	4.2±0.3	1.8 max	1.5±0.3	1.0±0.5	0.15 typ	5.4	2.2	2.5
PMF42	4.7±0.3	4.2±0.3	2.0 max	1.5±0.3	1.0±0.5	0.15 typ	5.4	2.2	2.5
PMF52B	5.7±0.3	5.1±0.3	1.5 max	2.1±0.3	1.2±0.5	0.15 typ	6.4	2.2	2.6
PMF52C	5.7±0.3	5.1±0.3	1.8 max	2.1±0.3	1.2±0.5	0.15 typ	6.4	2.2	2.6
PMF52	5.7±0.3	5.1±0.3	2.0 max	2.1±0.3	1.2±0.5	0.15 typ	6.4	2.2	2.6
PMF53	5.7±0.3	5.1±0.3	3.0 max	2.1±0.3	1.2±0.5	0.15 typ	6.4	2.2	2.6
PMF62C	7.3±0.3	6.6±0.3	1.5 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMF62D	7.3±0.3	6.6±0.3	1.8 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMF62	7.3±0.3	6.6±0.3	2.0 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMF62B	7.3±0.3	6.6±0.3	2.4 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMF63	7.3±0.3	6.6±0.3	3.0 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMF64	7.3±0.3	6.6±0.3	4.0 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMF65	7.3±0.3	6.6±0.3	5.0 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMF103	11.0±0.5	10.1±0.3	3.0 max	3.0±0.3	2.0±0.5	0.15 typ	13.0	7.0	3.5
PMF104	11.0±0.5	10.1±0.3	4.0 max	3.0±0.3	2.0±0.5	0.15 typ	13.0	7.0	3.5
PMF105	11.0±0.5	10.1±0.3	5.0 max	3.0±0.3	2.0±0.5	0.15 typ	13.0	7.0	3.5
PMF123B	13.5±0.5	12.5±0.3	3.5 max	3.5±0.5	2.5±0.5	0.15 typ	14.5	7.5	4.2
PMF124	13.5±0.5	12.5±0.3	4.0 max	3.5±0.5	2.5±0.5	0.15 typ	14.5	7.5	4.2
PMF125	13.5±0.5	12.5±0.3	5.0 max	3.5±0.5	2.5±0.5	0.15 typ	14.5	7.5	4.2
PMF126B	13.5±0.5	12.5±0.3	6.5 max	3.5±0.5	2.5±0.5	0.15 typ	14.5	7.5	4.2
PMF177	17.5±0.5	17.2±0.3	7.0 max	11.8±0.5	2.5±0.5	0.15 typ	18.5	11.3	12.6

## Electronial Characteristics :

## PMF42B series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF42B-121NT	0.12 $\pm$ 30%	4.0	5.0	20.0		15.0	
PMF42B-221MT	0.22 $\pm$ 20%	6.5	7.8	20.0		10.0	
PMF42B-471MT	0.47 $\pm$ 20%	15	19	11.0		8.0	
PMF42B-681MT	0.68 $\pm$ 20%	19	21.5	8.5		6.5	
PMF42B-821MT	0.82 $\pm$ 20%	29	36	7.5		5.5	
PMF42B-102MT	1.0 $\pm$ 20%	34	40	7.0		5.0	
PMF42B-222MT	2.2 $\pm$ 20%	63	72	4.0		3.2	
PMF42B-332MT	3.3 $\pm$ 20%	80	92	3.8		3.0	
PMF42B-472MT	4.7 $\pm$ 20%	120	140	2.8		2.2	
PMF42B-682MT	6.8 $\pm$ 20%	230	276	2.3		1.7	
PMF42B-103MT	10.0 $\pm$ 20%	345	400	1.9		1.5	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient.
6. Rated current: Isat or Irms, whichever is smaller.

## PMF42C series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF42C-221MT	0.22 $\pm$ 20%	6.6	7.3	21.0		12	
PMF42C-331MT	0.33 $\pm$ 20%	8.5	9.5	16.0		9	
PMF42C-561MT	0.56 $\pm$ 20%	16	20	9.0		6	
PMF42C-681MT	0.68 $\pm$ 20%	18.5	22	8.5		6	
PMF42C-102MT	1.0 $\pm$ 20%	24.5	30	6.9		5	
PMF42C-122MT	1.2 $\pm$ 20%	30	36	6.3		5	
PMF42C-152MT	1.5 $\pm$ 20%	33	38	5.6		4	
PMF42C-222MT	2.2 $\pm$ 20%	39	45	4.2		4	
PMF42C-332MT	3.3 $\pm$ 20%	82	100	3.6		3	
PMF42C-472MT	4.7 $\pm$ 20%	106	130	3.0		2	
PMF42C-562MT	5.6 $\pm$ 20%	125	150	2.8		2	
PMF42C-682MT	6.8 $\pm$ 20%	150	180	2.6		2	
PMF42C-822MT	8.2 $\pm$ 20%	198	235	2.4		2	
PMF42C-103MT	10.0 $\pm$ 20%	220	265	2.1		2	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF42 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF42-101NT	0.10 ± 30%	3.2	4.0	35.0		12.0	
PMF42-121NT	0.12 ± 30%	4.0	4.7	33.0		13.0	
PMF42-151NT	0.15 ± 30%	4.2	5.0	31.0		14.0	
PMF42-181NT	0.18 ± 30%	4.6	5.4	28.0		13.5	
PMF42-221NT	0.22 ± 30%	6.6	7.3	24.0		13.0	
PMF42-241MT	0.24 ± 20%	6.9	7.6	23.0		12.0	
PMF42-331MT	0.33 ± 20%	7.8	8.6	18.0		10.0	
PMF42-361MT	0.36 ± 20%	8.7	12.0	15.0		9.0	
PMF42-471MT	0.47 ± 20%	11.2	14.0	12.0		8.0	
PMF42-501MT	0.50 ± 20%	13.0	15.0	11.3		7.8	
PMF42-561MT	0.56 ± 20%	13.5	16.0	10.0		7.3	
PMF42-601MT	0.60 ± 20%	15.5	18.5	11.0		7.3	
PMF42-681MT	0.68 ± 20%	16.0	19	10.0		7.0	
PMF42-821MT	0.82 ± 20%	19.0	23	9.5		6.0	
PMF42-102MT	1.0 ± 20%	23.0	27	8.5		6.5	
PMF42-122MT	1.2 ± 20%	25.0	30	7.8		4.8	
PMF42-152MT	1.5 ± 20%	34.8	42	7.0		4.5	
PMF42-182MT	1.8 ± 20%	43	52	6.5		4.3	
PMF42-222MT	2.2 ± 20%	51	61	6.0		4.0	
PMF42-332MT	3.3 ± 20%	69	76	6.0		5.0	
PMF42-362MT	3.6 ± 20%	75	90	3.8		3.1	
PMF42-472MT	4.7 ± 20%	95	105	3.5		2.6	
PMF42-562MT	5.6 ± 20%	112	125	3.0		2.2	
PMF42-682MT	6.8 ± 20%	150	172	2.8		2.1	
PMF42-822MT	8.2 ± 20%	158	180	2.5		2.0	
PMF42-103MT	10 ± 20%	215	243	3.1		2.3	
PMF42-123MT	12 ± 20%	275	330	2.1		1.65	
PMF42-153MT	15 ± 20%	325	374	1.9		1.5	
PMF42-203MT	20 ± 20%	435	480	1.7		1.3	
PMF42-223MT	22 ± 20%	470	500	1.4		1.2	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20°C ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125°C under worst case.
5. All test data referenced to 25°C ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

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## Electronial Characteristics :

## PMF52B series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF52B-121NT	0.12 $\pm$ 30%	3.3	3.9	28.0		17.0	
PMF52B-151NT	0.15 $\pm$ 30%	3.6	4.1	25.0		16.0	
PMF52B-201NT	0.20 $\pm$ 30%	3.8	4.2	22.5		15.0	
PMF52B-221NT	0.22 $\pm$ 30%	5.0	6.5	20.0		12.0	
PMF52B-331MT	0.33 $\pm$ 20%	8.5	9.8	16.0		9.0	
PMF52B-361MT	0.36 $\pm$ 20%	10	12.5	15.5		8.5	
PMF52B-471MT	0.47 $\pm$ 20%	12	13.8	15.0		8.0	
PMF52B-681MT	0.68 $\pm$ 20%	14	16.2	13.0		7.0	
PMF52B-102MT	1.0 $\pm$ 20%	22	25.3	9.0		6.0	
PMF52B-152MT	1.5 $\pm$ 20%	39	45	7.0		4.5	
PMF52B-222MT	2.2 $\pm$ 20%	45	52	6.0		4.0	
PMF52B-332MT	3.3 $\pm$ 20%	76	84	5.5		4.0	
PMF52B-472MT	4.7 $\pm$ 20%	103	118	4.0		2.7	
PMF52B-562MT	5.6 $\pm$ 20%	126	152	3.2		2.4	
PMF52B-682MT	6.8 $\pm$ 20%	142	171	3.0		2.3	
PMF52B-822MT	8.2 $\pm$ 20%	175	210	2.6		2.1	
PMF52B-103MT	10.0 $\pm$ 20%	210	235	2.3		2.0	
PMF52B-153MT	15.0 $\pm$ 20%	310	380	2.0		1.6	
PMF52B-223MT	22.0 $\pm$ 20%	405	466	1.7		1.2	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient.
6. Rated current: Isat or Irms, whichever is smaller.

## PMF52C series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF52C-121NT	0.12 $\pm$ 30%	3.4	3.8	35.0		17.0	
PMF52C-151NT	0.15 $\pm$ 30%	3.5	3.9	27.0		15.5	
PMF52C-201NT	0.20 $\pm$ 30%	3.6	4.1	25.0		14.0	
PMF52C-221MT	0.22 $\pm$ 20%	4.2	5.0	22.0		13.0	
PMF52C-331MT	0.33 $\pm$ 20%	7.5	8.6	15.0		11.0	
PMF52C-471MT	0.47 $\pm$ 20%	9.8	11.3	14.0		10.0	
PMF52C-561MT	0.56 $\pm$ 20%	11.0	13.0	13.5		9.5	
PMF52C-681MT	0.68 $\pm$ 20%	12.4	14.3	13.0		9.0	
PMF52C-102MT	1.0 $\pm$ 20%	18.2	21	10.0		6.8	
PMF52C-122NT	1.2 $\pm$ 20%	17	20	10.0		8.5	
PMF52C-152MT	1.5 $\pm$ 20%	26	30	9.0		6.0	
PMF52C-202MT	2.0 $\pm$ 20%	35	42	8.0		5.0	
PMF52C-222MT	2.2 $\pm$ 20%	42	48	7.5		4.5	
PMF52C-332MT	3.3 $\pm$ 20%	60	69	5.0		3.5	
PMF52C-472MT	4.7 $\pm$ 20%	85	78	4.5		3.0	

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## Electronial Characteristics :

## PMF52C series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF52C-562MT	5.6 $\pm$ 20%	110	127	4.0		2.5	
PMF52C-682MT	6.8 $\pm$ 20%	118	137	3.5		2.4	
PMF52C-822MT	8.2 $\pm$ 20%	143	165	3.0		2.3	
PMF52C-103MT	10.0 $\pm$ 20%	165	190	2.8		2.3	
PMF52C-153MT	15.0 $\pm$ 20%	275	318	2.3		1.7	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient.
6. Rated current: Isat or Irms, whichever is smaller.

## PMF52 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF52-101NT	0.10 $\pm$ 30%	3.6	4.0	45.0		18.0	
PMF52-121NT	0.12 $\pm$ 30%	3.7	4.3	35.0		17.0	
PMF52-151NT	0.15 $\pm$ 30%	3.8	4.6	27.0		16.0	
PMF52-221MT	0.22 $\pm$ 20%	4.0	5.5	25.0		15.0	
PMF52-241MT	0.24 $\pm$ 20%	6.0	7.0	23.0		13.0	
PMF52-331MT	0.33 $\pm$ 20%	6.3	7.3	21.3		12.0	
PMF52-361MT	0.36 $\pm$ 20%	6.8	7.8	20.0		11.8	
PMF52-471MT	0.47 $\pm$ 20%	7.3	8.6	18.0		11.5	
PMF52-561MT	0.56 $\pm$ 20%	9.3	11.2	15.0		10.7	
PMF52-681MT	0.68 $\pm$ 20%	11	12.4	12.8		10.0	
PMF52-821MT	0.82 $\pm$ 20%	15	18.0	14.0		8.5	
PMF52-102MT	1.0 $\pm$ 20%	18	20.0	13.7		7.0	
PMF52-122MT	1.2 $\pm$ 20%	23	28.0	11.0		6.2	
PMF52-152MT	1.5 $\pm$ 20%	27	30.5	9.8		5.5	
PMF52-222MT	2.2 $\pm$ 20%	42	50	9.0		4.2	
PMF52-272MT	2.7 $\pm$ 20%	50	58	8.2		4.0	
PMF52-332MT	3.3 $\pm$ 20%	66	76	7.3		3.3	
PMF52-472MT	4.7 $\pm$ 20%	103	116	5.0		2.8	
PMF52-562MT	5.6 $\pm$ 20%	112	122	4.0		2.5	
PMF52-682MT	6.8 $\pm$ 20%	130	150	3.8		2.4	
PMF52-822MT	8.2 $\pm$ 20%	148	171	3.5		2.3	
PMF52-103MT	10.0 $\pm$ 20%	180	199	3.4		2.3	
PMF52-153MT	15.0 $\pm$ 20%	240	270	2.8		1.9	
PMF52-223MT	22.0 $\pm$ 20%	350	390	1.8		1.5	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF53 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A) Typ.	I <sub>rms</sub> (A) Typ.		
PMF53-101NT	0.10 ± 30%	2.5	3.0	27.0	23.0		
PMF53-151NT	0.15 ± 30%	2.3	2.7	30.0	18.0		
PMF53-201NT	0.20 ± 30%	2.6	3.2	25.0	16.0		
PMF53-221MT	0.22 ± 30%	3.7	4.4	21.0	15.5		
PMF53-251MT	0.25 ± 30%	3.7	4.1	20.0	15.0		
PMF53-331MT	0.33 ± 20%	4.3	5.0	18.0	14.0		
PMF53-471MT	0.47 ± 20%	6.4	7.4	16.0	12.0		
PMF53-561MT	0.56 ± 20%	8.0	10.0	15.0	10.0		
PMF53-601MT	0.60 ± 20%	8.4	10.4	14.5	9.0		
PMF53-681MT	0.68 ± 20%	10.0	12.0	14.0	8.5		
PMF53-821MT	0.82 ± 20%	11.5	13.0	12.5	8.0		
PMF53-102MT	1.0 ± 20%	13.0	14.0	11.0	7.0		
PMF53-122MT	1.2 ± 20%	14.0	16	11.0	6.5		
PMF53-152MT	1.5 ± 20%	16.0	25	10.0	6.0		
PMF53-222MT	2.2 ± 20%	25.0	35	9.0	5.5		
PMF53-242MT	2.4 ± 20%	30.0	36	8.8	5.3		
PMF53-332MT	3.3 ± 20%	32.0	38	8.0	5.0		
PMF53-362MT	3.6 ± 20%	46	54	7.0	4.9		
PMF53-472MT	4.7 ± 20%	50	56	6.0	4.6		
PMF53-562MT	5.6 ± 20%	55	63	4.5	4.25		
PMF53-682MT	6.8 ± 20%	68	76.2	4.3	4.0		
PMF53-103MT	10.0 ± 20%	110	128	3.5	2.8		
PMF53-153MT	15.0 ± 20%	165	190	2.6	2.1		
PMF53-183MT	18.0 ± 20%	195	230	2.3	2.0		
PMF53-223MT	22.0 ± 20%	220	250	1.7	1.9		
PMF53-333MT	33.0 ± 20%	380	440	1.6	1.6		

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20°C ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125°C under worst case.
5. All test data referenced to 25°C ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF62C series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF62C-101NT	0.10 $\pm$ 30%	2.5	3.1	35.0		17.5	
PMF62C-121NT	0.12 $\pm$ 30%	3.0	3.6	30.0		17.0	
PMF62C-151NT	0.15 $\pm$ 30%	3.7	4.5	25.0		16.0	
PMF62C-201NT	0.20 $\pm$ 30%	3.9	4.6	24.0		14.5	
PMF62C-221NT	0.22 $\pm$ 30%	4.3	5.2	22.0		14.0	
PMF62C-331MT	0.33 $\pm$ 20%	6.6	7.6	18.0		11.0	
PMF62C-471MT	0.47 $\pm$ 20%	9.0	10.3	16.0		9.5	
PMF62C-561MT	0.56 $\pm$ 20%	12.5	14.0	15.5		9.0	
PMF62C-681MT	0.68 $\pm$ 20%	13.8	15.2	15.0		7.5	
PMF62C-821MT	0.82 $\pm$ 20%	20.0	24.0	14.0		7.0	
PMF62C-102MT	1.0 $\pm$ 20%	23.0	25.8	12.0		6.5	
PMF62C-122MT	1.2 $\pm$ 20%	29.0	34	10.5		5.6	
PMF62C-152MT	1.5 $\pm$ 20%	37.0	42.5	9.5		5.0	
PMF62C-222MT	2.2 $\pm$ 20%	48.0	55	6.5		4.5	
PMF62C-332MT	3.3 $\pm$ 20%	62.0	74	6.0		4.2	
PMF62C-472MT	4.7 $\pm$ 20%	96	111	5.0		3.8	
PMF62C-562MT	5.6 $\pm$ 20%	115	138	4.5		3.0	
PMF62C-682MT	6.8 $\pm$ 20%	128	148.0	3.5		2.6	
PMF62C-822MT	8.2 $\pm$ 20%	153	184	3.2		2.4	
PMF62C-103CMT	10.0 $\pm$ 20%	180	216	2.8		2.3	
PMF62C-223MT	22.0 $\pm$ 20%	420	504	2.5		2.5	
PMF62C-333MT	33.0 $\pm$ 20%	640	750	2.0		1.2	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.



## Electronial Characteristics :

## PMF62D series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A) Typ.	I <sub>rms</sub> (A) Typ.		
PMF62D-151NT	0.15 ± 30%	2.2	2.6	34.0	18.0		
PMF62D-181NT	0.18 ± 30%	2.5	3.0	32.0	17.0		
PMF62D-221MT	0.22 ± 20%	2.5	3.0	26.0	16.0		
PMF62D-331MT	0.33 ± 20%	4.8	5.8	22.0	14.0		
PMF62D-471MT	0.47 ± 20%	6.4	7.4	18.0	12.0		
PMF62D-561MT	0.56 ± 20%	8.5	10.0	17.5	11.0		
PMF62D-681MT	0.68 ± 20%	9.5	11.0	17.0	10.0		
PMF62D-821MT	0.82 ± 20%	11.5	14.0	15.5	8.5		
PMF62D-102MT	1.0 ± 20%	14.5	17.0	14.0	7.0		
PMF62D-122MT	1.2 ± 20%	20	24	13.5	6.5		
PMF62D-152MT	1.5 ± 20%	21	25.2	13.0	6.0		
PMF62D-222MT	2.2 ± 20%	31	35	11.0	6.0		
PMF62D-332MT	3.3 ± 20%	40	46	9.0	5.0		
PMF62D-472MT	4.7 ± 20%	68	76	7.0	4.0		
PMF62D-562MT	5.6 ± 20%	78	86	6.0	3.5		
PMF62D-682MT	6.8 ± 20%	93	104	5.5	3.0		
PMF62D-822MT	8.2 ± 20%	123	140	4.5	2.6		
PMF62D-103MT	10.0 ± 20%	143	160	3.5	2.3		
PMF62D-153MT	15.0 ± 20%	240	280	3.0	2.0		
PMF62D-223MT	22.0 ± 20%	300	360	2.5	1.8		
PMF62D-333MT	33.0 ± 20%	550	650	2.1	1.3		

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0A<sub>dc</sub>, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (I<sub>sat</sub>) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (I<sub>rms</sub>): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: I<sub>sat</sub> or I<sub>rms</sub>, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF62 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF62-101NT	0.10 $\pm$ 30%	2.0	2.4	40.0		21.0	
PMF62-121NT	0.12 $\pm$ 30%	2.2	2.6	39.5		20.0	
PMF62-151NT	0.15 $\pm$ 30%	2.3	2.7	39.0		18.0	
PMF62-181NT	0.18 $\pm$ 30%	2.4	2.9	36.0		18.0	
PMF62-201NT	0.20 $\pm$ 30%	2.5	3.0	35.0		18.0	
PMF62-221NT	0.22 $\pm$ 30%	3.5	4.0	32.0		15.0	
PMF62-331MT	0.33 $\pm$ 20%	4.5	5.0	25.0		14.0	
PMF62-471MT	0.47 $\pm$ 20%	7.1	8.3	20.0		11.7	
PMF62-561MT	0.56 $\pm$ 20%	7.9	9.3	18.0		11.0	
PMF62-681MT	0.68 $\pm$ 20%	8.3	10	16.0		10.5	
PMF62-821MT	0.82 $\pm$ 20%	12.5	16	15.0		9.5	
PMF62-102MT	1.0 $\pm$ 20%	16.5	18	14.0		8.0	
PMF62-122MT	1.2 $\pm$ 20%	19	23	13.0		7.5	
PMF62-152MT	1.5 $\pm$ 20%	23	27	12.0		7.0	
PMF62-222MT	2.2 $\pm$ 20%	32	37	10.0		6.0	
PMF62-332MT	3.3 $\pm$ 20%	43	48	8.0		5.0	
PMF62-472MT	4.7 $\pm$ 20%	53	60	7.0		4.5	
PMF62-562MT	5.6 $\pm$ 20%	59	68	6.0		4.0	
PMF62-682MT	6.8 $\pm$ 20%	63	73	5.5		4.0	
PMF62-822MT	8.2 $\pm$ 20%	101	116	5.0		3.2	
PMF62-103MT	10.0 $\pm$ 20%	134	154	4.0		2.8	
PMF62-153MT	15.0 $\pm$ 20%	190	210	3.3		2.1	
PMF62-223MT	22.0 $\pm$ 20%	236	280	3.5		1.8	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF62B series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF62B-101NT	0.10 $\pm$ 30%	1.4	1.7	70.0		30.0	
PMF62B-121NT	0.12 $\pm$ 30%	1.6	1.9	60.0		30.0	
PMF62B-151NT	0.15 $\pm$ 30%	1.8	2.3	45.0		30.0	
PMF62B-201MT	0.20 $\pm$ 20%	1.9	2.8	40.0		23.0	
PMF62B-221MT	0.22 $\pm$ 20%	2.0	3.2	34.0		21.0	
PMF62B-331MT	0.33 $\pm$ 20%	3.6	4.4	30.0		18.0	
PMF62B-361MT	0.36 $\pm$ 20%	3.8	4.6	29.0		17.0	
PMF62B-471MT	0.47 $\pm$ 20%	4.8	5.1	26.0		15.0	
PMF62B-561MT	0.56 $\pm$ 20%	5.5	6.5	24.0		13.0	
PMF62B-601MT	0.60 $\pm$ 20%	5.7	6.9	22.0		13.0	
PMF62B-681MT	0.68 $\pm$ 20%	6.4	7.2	21.0		13.0	
PMF62B-821MT	0.82 $\pm$ 20%	8.0	7.5	17.0		11.0	
PMF62B-102MT	1.0 $\pm$ 20%	10.5	13.5	16.0		11.0	
PMF62B-152MT	1.5 $\pm$ 20%	17	20	15.0		9.0	
PMF62B-222MT	2.2 $\pm$ 20%	23	28	14.0		7.0	
PMF62B-332MT	3.3 $\pm$ 20%	34	39	10.0		6.0	
PMF62B-472MT	4.7 $\pm$ 20%	41	50	9.0		5.5	
PMF62B-562MT	5.6 $\pm$ 20%	56	62	8.0		5.0	
PMF62B-682MT	6.8 $\pm$ 20%	65	72	7.0		4.0	
PMF62B-822MT	8.2 $\pm$ 20%	81	95	6.0		3.6	
PMF62B-103MT	10.0 $\pm$ 20%	92	101	5.0		3.2	
PMF62B-153MT	15.0 $\pm$ 20%	133	153	4.0		2.7	
PMF62B-223MT	22.0 $\pm$ 20%	185	215	3.0		1.8	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0A<sub>dc</sub>, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (I<sub>sat</sub>) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (I<sub>rms</sub>): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: I<sub>sat</sub> or I<sub>rms</sub>, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF63 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF63-101NT	0.10 ± 30%	1.2	1.7	60.0		32.5	
PMF63-121NT	0.12 ± 30%	0.65	0.78	50.0		31.0	
PMF63-151NT	0.15 ± 30%	1.5	1.9	45.0		27.0	
PMF63-181NT	0.18 ± 30%	1.7	2.3	43.0		25.0	
PMF63-201NT	0.20 ± 30%	1.8	2.5	41.0		24.0	
PMF63-221NT	0.22 ± 30%	2.1	2.8	40.0		23.0	
PMF63-251MT	0.25 ± 20%	3.3	3.5	39.0		21.0	
PMF63-301MT	0.30 ± 20%	3.2	3.8	35.0		21.0	
PMF63-331MT	0.33 ± 20%	3.5	3.9	32.0		20.0	
PMF63-361MT	0.36 ± 20%	3.6	4.2	32.0		19.0	
PMF63-401MT	0.40 ± 20%	3.7	4.1	27.5		18.0	
PMF63-471MT	0.47 ± 20%	4.0	4.2	26.0		17.5	
PMF63-561MT	0.56 ± 20%	4.7	5.0	25.5		16.5	
PMF63-601MT	0.60 ± 20%	4.7	5.2	25.5		16.0	
PMF63-681MT	0.68 ± 20%	4.8	5.5	25.0		15.5	
PMF63-821MT	0.82 ± 20%	6.7	8.0	24.0		13.0	
PMF63-102MT	1.0 ± 20%	8.3	10.0	22.0		11.0	
PMF63-122MT	1.2 ± 20%	10	12	20.0		10.0	
PMF63-152MT	1.5 ± 20%	13	15	18.0		9.0	
PMF63-182MT	1.8 ± 20%	14	17	16.0		8.5	
PMF63-202MT	2.0 ± 20%	16	19	15.0		8.2	
PMF63-222MT	2.2 ± 20%	18	20	14.0		8.0	
PMF63-252MT	2.5 ± 20%	20	22	13.0		7.0	
PMF63-272MT	2.7 ± 20%	24	27	13.0		7.0	
PMF63-332MT	3.3 ± 20%	28	30	13.5		6.0	
PMF63-472MT	4.7 ± 20%	37	40	10.0		5.5	
PMF63-562MT	5.6 ± 20%	43	48	9.0		5.0	
PMF63-682MT	6.8 ± 20%	54	60	8.0		4.5	
PMF63-822MT	8.2 ± 20%	64	68	7.5		4.0	
PMF63-103MT	10.0 ± 20%	75	85	7.0		3.5	
PMF63-123MT	12.0 ± 20%	81	93	5.5		3.3	
PMF63-153MT	15.0 ± 20%	107	123	4.0		3.0	
PMF63-183MT	18.0 ± 20%	140	160	4.0		2.5	
PMF63-223MT	22.0 ± 20%	165	190	3.5		2.0	
PMF63-273MT	27.0 ± 20%	185	220	3.0		2.0	
PMF63-333MT	33.0 ± 20%	200	240	2.5		2.0	
PMF63-403MT	40.0 ± 20%	283	340	2.3		1.9	
PMF63-473MT	47.0 ± 20%	302	363	2.0		1.75	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF64 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF64-121NT	0.12 $\pm$ 30%	0.7	1.00	64.0		32.0	
PMF64-151NT	0.15 $\pm$ 30%	0.9	1.2	55.0		30.0	
PMF64-221NT	0.22 $\pm$ 30%	1.85	2.1	34.0		25.0	
PMF64-331MT	0.33 $\pm$ 20%	2.0	2.6	34.0		25.0	
PMF64-361MT	0.36 $\pm$ 20%	2.7	3.1	31.0		25.0	
PMF64-471MT	0.47 $\pm$ 20%	3.0	3.4	28.0		23.0	
PMF64-561MT	0.56 $\pm$ 20%	3.8	4.3	26.0		20.0	
PMF64-681MT	0.68 $\pm$ 20%	4.1	4.5	24.0		16.0	
PMF64-821MT	0.82 $\pm$ 20%	5.5	6.3	23.0		15.0	
PMF64-102MT	1.0 $\pm$ 20%	6.8	8.0	22.0		14.0	
PMF64-152MT	1.5 $\pm$ 20%	8	10	15.0		11.0	
PMF64-222MT	2.2 $\pm$ 20%	11.5	14	14.0		9.0	
PMF64-332MT	3.3 $\pm$ 20%	24	27	12.0		8.0	
PMF64-472MT	4.7 $\pm$ 20%	28	32.5	11.0		6.0	
PMF64-562MT	5.6 $\pm$ 20%	33	38	9.0		5.0	
PMF64-682MT	6.8 $\pm$ 20%	44	50	8.5		4.5	
PMF64-822MT	8.2 $\pm$ 20%	55	64	8.0		4.5	
PMF64-103MT	10.0 $\pm$ 20%	64	72	7.0		4.0	
PMF64-153MT	15.0 $\pm$ 20%	80	90	3.5		3.0	
PMF64-223MT	22.0 $\pm$ 20%	120	145	3.5		2.5	
PMF64-333MT	33.0 $\pm$ 20%	180	210	3.2		2.5	
PMF64-473MT	47.0 $\pm$ 20%	295	350	2.5		1.80	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF65 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF65-101NT	0.10 ± 30%	0.7	0.78	65.0		32.0	
PMF65-151NT	0.15 ± 30%	1.3	1.7	50.0		30.0	
PMF65-221MT	0.22 ± 20%	1.60	1.9	35.0		25.0	
PMF65-331MT	0.33 ± 20%	2.5	3.0	32.0		25.0	
PMF65-361MT	0.36 ± 20%	2.5	2.8	35.0		25.0	
PMF65-471MT	0.47 ± 20%	3.5	3.9	30.0		22.0	
PMF65-561MT	0.56 ± 20%	3.6	4.2	27.0		20.0	
PMF65-601MT	0.60 ± 20%	3.8	4.3	25.0		19.0	
PMF65-681MT	0.68 ± 20%	4.0	4.5	24.0		18.0	
PMF65-821MT	0.82 ± 20%	4.6	4.9	22.0		16.5	
PMF65-102MT	1.0 ± 20%	6.1	6.5	20.0		15.0	
PMF65-122MT	1.2 ± 20%	6.7	7.5	18.0		14.0	
PMF65-152MT	1.5 ± 20%	8.6	9	16.5		12.0	
PMF65-182MT	1.8 ± 20%	9.5	11	15.0		12.0	
PMF65-222MT	2.2 ± 20%	11.2	12	14.0		10.0	
PMF65-332MT	3.3 ± 20%	19	20.9	12.0		8.0	
PMF65-472MT	4.7 ± 20%	28	30.8	10.0		6.5	
PMF65-562MT	5.6 ± 20%	43.5	49	9.0		6.0	
PMF65-682MT	6.8 ± 20%	46	51.5	8.5		5.5	
PMF65-822MT	8.2 ± 20%	56	63	8.0		5.0	
PMF65-103MT	10.0 ± 20%	60	69	7.5		4.0	
PMF65-123MT	12.0 ± 20%	68	80	6.7		3.8	
PMF65-153MT	15.0 ± 20%	81	92	6.0		3.5	
PMF65-223MT	22.0 ± 20%	140	170	5.5		2.5	
PMF65-333MT	33.0 ± 20%	173	200	3.5		2.0	
PMF65-423MT	42.0 ± 20%	212	245	2.8		2.0	
PMF65-473MT	47.0 ± 20%	290	330	2.7		1.9	
PMF65-563MT	56.0 ± 20%	342	396	2.1		1.6	
PMF65-683MT	68.0 ± 20%	386	445	2.0		1.2	
PMF65-823MT	82.0 ± 20%	430	500	1.8		1.1	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF103 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A) Typ.	I <sub>rms</sub> (A) Typ.		
PMF103-151NT	0.15 ± 30%	0.9	1.1	60.0	35.0		
PMF103-221MT	0.22 ± 20%	1.10	1.3	55.0	30.0		
PMF103-331MT	0.33 ± 20%	1.2	1.5	47.0	25.0		
PMF103-361MT	0.36 ± 20%	1.3	1.6	40.0	23.0		
PMF103-471MT	0.47 ± 20%	2.1	2.5	33.0	20.0		
PMF103-561MT	0.56 ± 20%	2.6	3.0	24.0	16.0		
PMF103-821MT	0.82 ± 20%	3.9	4.5	22.0	15.0		
PMF103-102MT	1.0 ± 20%	4.6	6.0	20.0	15.0		
PMF103-152MT	1.5 ± 20%	6.5	7.5	20.0	13.0		
PMF103-222MT	2.2 ± 20%	8.0	9	16.0	12.0		
PMF103-332MT	3.3 ± 20%	14.5	16.0	14.0	9.0		
PMF103-472MT	4.7 ± 20%	20.5	22.5	13.0	7.0		
PMF103-562MT	5.6 ± 20%	28.0	32.5	12.0	7.0		
PMF103-682MT	6.8 ± 20%	30	35.0	9.5	6.5		
PMF103-822MT	8.2 ± 20%	42	48	8.5	6.0		
PMF103-103MT	10.0 ± 20%	50	55	8.0	5.0		
PMF103-153MT	15.0 ± 20%	72	86	7.0	4.0		
PMF103-223MT	22.0 ± 20%	115	140	5.5	3.0		
PMF103-473MT	47.0 ± 20%	216	260	4.0	2.0		

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20°C ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125°C under worst case.
5. All test data referenced to 25°C ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF104 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF104-101NT	0.10 ± 30%	0.35	0.41	85.0		46.0	
PMF104-151NT	0.15 ± 30%	0.5	0.6	75.0		43.0	
PMF104-181NT	0.18 ± 30%	0.54	0.8	72.0		38.0	
PMF104-201NT	0.20 ± 30%	0.66	0.95	70.0		35.0	
PMF104-221MT	0.22 ± 20%	0.8	1.0	60.0		35.0	
PMF104-251MT	0.25 ± 20%	0.8	1.0	60.0		33.5	
PMF104-301MT	0.30 ± 20%	0.9	1.1	60.0		32.0	
PMF104-331MT	0.33 ± 20%	1.0	1.2	60.0		31.0	
PMF104-361MT	0.36 ± 20%	1.1	1.2	60.0		31.0	
PMF104-451MT	0.45 ± 20%	1.3	1.5	45.0		29.0	
PMF104-471MT	0.47 ± 20%	1.3	1.5	43.0		28.0	
PMF104-561MT	0.56 ± 20%	1.6	1.8	40.0		25.0	
PMF104-681MT	0.68 ± 20%	2.4	2.7	39.0		22.0	
PMF104-751MT	0.75 ± 20%	2.4	2.7	39.0		22.0	
PMF104-881MT	0.88 ± 20%	2.5	2.9	38.0		20.0	
PMF104-102MT	1.0 ± 20%	3.0	3.3	36.0		18.0	
PMF104-122MT	1.2 ± 20%	3.3	3.8	33.0		17.0	
PMF104-152MT	1.5 ± 20%	4.0	4.6	33.0		16.0	
PMF104-182MT	1.8 ± 20%	5.3	6.4	30.0		14.0	
PMF104-202MT	2.0 ± 20%	5.2	5.8	18.0		14.0	
PMF104-222MT	2.2 ± 20%	6.5	7.0	27.0		12.0	
PMF104-252MT	2.5 ± 20%	7.9	8.7	23.0		11.5	
PMF104-302MT	3.0 ± 20%	10.0	11.5	21.0		11.5	
PMF104-332MT	3.3 ± 20%	10.8	11.8	20.0		11.0	
PMF104-392MT	3.9 ± 20%	12.6	14.5	19.0		10.5	
PMF104-472MT	4.7 ± 20%	15.0	15.5	17.0		10.0	
PMF104-562MT	5.6 ± 20%	17.0	19.3	14.0		9.0	
PMF104-652MT	6.5 ± 20%	17.3	22.3	13.6		8.6	
PMF104-682MT	6.8 ± 20%	17.5	23.3	13.5		8.5	
PMF104-822MT	8.2 ± 20%	20.0	22.5	12.5		8.0	
PMF104-103MT	10.0 ± 20%	27.0	30	12.0		7.5	
PMF104-123MT	12.0 ± 20%	36.0	42	11.0		6.8	
PMF104-153MT	15.0 ± 20%	40.0	45	10.0		6.3	
PMF104-183MT	18.0 ± 20%	56.0	62	9.0		5.5	
PMF104-223MT	22.0 ± 20%	64.0	74	7.0		5.0	
PMF104-273MT	27.0 ± 20%	86.0	100	6.0		4.0	
PMF104-333MT	33.0 ± 20%	92.0	112	5.0		3.5	
PMF104-403MT	40.0 ± 20%	130.0	150	4.8		3.3	
PMF104-473MT	47.0 ± 20%	145.0	167	4.5		3.0	
PMF104-563MT	56.0 ± 20%	185.0	215	3.5		2.5	
PMF104-683MT	68.0 ± 20%	205.0	240	3.0		2.0	
PMF104-823MT	82.0 ± 20%	265.0	320	2.5		1.5	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.



## Electronial Characteristics :

## PMF105 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF105-221MT	0.22 $\pm$ 20%	0.45	0.50	70.0		45.0	
PMF105-301MT	0.30 $\pm$ 20%	0.57	0.61	65.0		38.0	
PMF105-471MT	0.47 $\pm$ 20%	1.15	1.38	50.0		28.0	
PMF105-501MT	0.50 $\pm$ 20%	1.30	1.50	48.0		27.0	
PMF105-561MT	0.56 $\pm$ 20%	1.30	1.50	43.0		26.5	
PMF105-821MT	0.82 $\pm$ 20%	2.00	2.40	36.0		25.0	
PMF105-901MT	0.90 $\pm$ 20%	2.20	3.00	32.0		25.0	
PMF105-102MT	1.0 $\pm$ 20%	2.80	3.50	30.0		22.0	
PMF105-122MT	1.2 $\pm$ 20%	2.90	3.50	28.0		20.0	
PMF105-132MT	1.3 $\pm$ 20%	3.20	3.70	28.0		20.0	
PMF105-152MT	1.5 $\pm$ 20%	3.50	4.10	27.0		19.0	
PMF105-182MT	1.8 $\pm$ 20%	3.70	4.70	25.5		17.5	
PMF105-222MT	2.2 $\pm$ 20%	5.40	6.00	24.0		16.0	
PMF105-332MT	3.3 $\pm$ 20%	9.0	10.4	22.0		14.0	
PMF105-472MT	4.7 $\pm$ 20%	10.0	12.5	19.0		13.0	
PMF105-502MT	5.0 $\pm$ 20%	12.2	15.0	18.0		12.0	
PMF105-562MT	5.6 $\pm$ 20%	14.0	16.8	16.0		10.0	
PMF105-682MT	6.8 $\pm$ 20%	16.5	21.0	15.0		9.5	
PMF105-822MT	8.2 $\pm$ 20%	18.5	24.0	14.5		9.0	
PMF105-103MT	10.0 $\pm$ 20%	25.0	29.0	13.5		8.0	
PMF105-123MT	12.0 $\pm$ 20%	30.0	35.0	10.0		6.0	
PMF105-153MT	15.0 $\pm$ 20%	37.0	45.0	9.5		5.5	
PMF105-223MT	22.0 $\pm$ 20%	50.0	60.0	9.0		5.0	
PMF105-243MT	24.0 $\pm$ 20%	59.0	70.8	7.7		4.6	
PMF105-333MT	33.0 $\pm$ 20%	80.0	92.0	7.5		4.3	
PMF105-473MT	47.0 $\pm$ 20%	125.0	145.0	6.5		3.8	
PMF105-563MT	56.0 $\pm$ 20%	155.0	186.0	5.0		3.0	
PMF105-683MT	68.0 $\pm$ 20%	176.0	205.0	4.0		2.5	
PMF105-104MT	100.0 $\pm$ 20%	315.0	380.0	3.0		2.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronical Characteristics :

## PMF123B series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF123B-101NT	0.10 ± 30%	0.36	0.43	84.0		43.0	
PMF123B-151NT	0.15 ± 30%	0.40	0.48	75.0		41.0	
PMF123B-221MT	0.22 ± 20%	0.70	0.81	65.0		38.5	
PMF123B-331MT	0.33 ± 20%	0.85	1.0	62.0		36.5	
PMF123B-471MT	0.47 ± 20%	1.2	1.8	55.0		32.0	
PMF123B-561MT	0.56 ± 20%	1.3	1.9	53.0		30.0	
PMF123B-601MT	0.60 ± 20%	1.5	2.2	51.0		29.0	
PMF123B-681MT	0.68 ± 20%	1.9	2.5	49.0		28.0	
PMF123B-821MT	0.82 ± 20%	2.2	3.0	44.0		25.0	
PMF123B-102MT	1.0 ± 20%	2.7	3.5	40.0		24.0	
PMF123B-122MT	1.2 ± 20%	4.0	5.0	37.0		21.0	
PMF123B-152MT	1.5 ± 20%	4.8	5.5	35.0		19.0	
PMF123B-182MT	1.8 ± 20%	5.2	7.0	30.0		17.0	
PMF123B-222MT	2.2 ± 20%	6.3	8.0	29.0		16.0	
PMF123B-332MT	3.3 ± 20%	11.0	13.5	27.0		12.0	
PMF123B-472MT	4.7 ± 20%	15.3	18.5	24.0		10.0	
PMF123B-562MT	5.6 ± 20%	18.0	22.0	19.0		9.5	
PMF123B-682MT	6.8 ± 20%	20.0	24.0	18.0		9.0	
PMF123B-822MT	8.2 ± 20%	23.0	28.0	16.0		8.5	
PMF123B-103MT	10.0 ± 20%	29.0	34.0	14.0		7.5	
PMF123B-153MT	15.0 ± 20%	55.0	65.0	10.0		6.5	
PMF123B-223MT	22.0 ± 20%	83.0	99.0	7.0		4.5	
PMF123B-333MT	33.0 ± 20%	132.0	160.0	6.0		3.5	
PMF123B-473MT	47.0 ± 20%	181.0	218.0	5.5		3.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20°C ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125°C under worst case.
5. All test data referenced to 25°C ambient.
6. Rated current: Isat or Irms, whichever is smaller.

## PMF124 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF124-102MT	1.0 ± 20%	3.3	3.5	40.0		24.0	
PMF124-152MT	1.5 ± 20%	5.1	5.5	35.0		19.0	
PMF124-182MT	1.8 ± 20%	6.0	7.0	30.0		16.5	
PMF124-222MT	2.2 ± 20%	7.2	8.0	29.0		16.0	
PMF124-332MT	3.3 ± 20%	11.0	12.0	27.0		12.0	
PMF124-472MT	4.7 ± 20%	14.3	15.0	24.0		10.0	
PMF124-562MT	5.6 ± 20%	17.1	18.0	19.0		9.5	
PMF124-682MT	6.8 ± 20%	19.8	22.0	18.0		9.0	
PMF124-822MT	8.2 ± 20%	24.8	28.0	16.0		8.5	
PMF124-103MT	10.0 ± 20%	30.4	34.0	14.0		7.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20°C ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125°C under worst case.
5. All test data referenced to 25°C ambient.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF125 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A) Typ.	I <sub>rms</sub> (A) Typ.		
PMF125-201MT	0.20 ± 20%	0.45	0.55	110.0	52.0		
PMF125-221MT	0.22 ± 20%	0.50	0.70	110.0	52.0		
PMF125-331MT	0.33 ± 20%	0.70	0.90	80.0	42.0		
PMF125-391MT	0.36 ± 20%	0.75	0.95	75.0	42.0		
PMF125-451MT	0.39 ± 20%	0.78	0.95	70.0	42.0		
PMF125-471MT	0.47 ± 20%	0.86	1.1	65.0	38.0		
PMF125-501MT	0.50 ± 20%	0.90	1.3	60.0	37.0		
PMF125-561MT	0.56 ± 20%	1.00	1.5	55.0	36.0		
PMF125-681MT	0.68 ± 20%	1.40	1.7	54.0	34.0		
PMF125-821MT	0.82 ± 20%	1.70	2.1	52.0	31.0		
PMF125-102MT	1.0 ± 20%	1.85	2.5	50.0	29.0		
PMF125-122MT	1.2 ± 20%	2.50	3.0	49.0	28.0		
PMF125-152MT	1.5 ± 20%	2.80	3.3	48.0	27.0		
PMF125-182MT	1.8 ± 20%	4.00	4.9	40.0	21.0		
PMF125-222MT	2.2 ± 20%	4.20	5.5	32.0	20.0		
PMF125-272MT	2.7 ± 20%	4.70	6.7	32.0	17.0		
PMF125-332MT	3.3 ± 20%	6.80	9.2	32.0	15.0		
PMF125-472MT	4.7 ± 20%	11.40	15.0	27.0	12.0		
PMF125-502MT	5.0 ± 20%	12.0	15.5	24.0	12.0		
PMF125-562MT	5.6 ± 20%	12.30	16.5	22.0	11.5		
PMF125-602MT	6.0 ± 20%	13.00	16.5	21.5	11.5		
PMF125-682MT	6.8 ± 20%	14.50	18.5	21.0	11.0		
PMF125-822MT	8.2 ± 20%	16.80	22.5	18.0	9.5		
PMF125-103MT	10.0 ± 20%	21.40	25.5	16.0	9.0		
PMF125-123MT	12.0 ± 20%	28.0	34.0	15.0	8.6		
PMF125-153MT	15.0 ± 20%	32.0	38.0	13.0	8.2		
PMF125-183MT	18.0 ± 20%	40.0	45.0	11.0	7.5		
PMF125-223MT	22.0 ± 20%	50.0	58.0	10.0	6.5		
PMF125-273MT	27.0 ± 20%	63.0	76.0	8.5	5.2		
PMF125-333MT	33.0 ± 20%	73.0	88.0	8.0	5.0		
PMF125-393MT	39.0 ± 20%	87.0	100.0	7.5	4.7		
PMF125-473MT	47.0 ± 20%	100.0	120.0	6.5	4.0		
PMF125-683MT	68.0 ± 20%	135.0	162.0	5.5	3.5		
PMF125-823MT	82.0 ± 20%	198.0	238.0	4.8	3.0		

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMF126B series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat</sub> (A)	Typ.	I <sub>rms</sub> (A)	Typ.
PMF126B-221NT	0.22 ± 30%	0.48	0.65	100.0		55.0	
PMF126B-361MT	0.36 ± 20%	0.72	0.90	65.0		42.0	
PMF126B-471MT	0.47 ± 20%	0.92	1.30	60.0		38.0	
PMF126B-561MT	0.56 ± 20%	1.15	1.50	56.0		35.0	
PMF126B-681MT	0.68 ± 20%	1.33	1.70	53.0		33.0	
PMF126B-102MT	1.0 ± 20%	1.8	2.4	45.0		29.0	
PMF126B-122MT	1.2 ± 20%	2.1	2.8	44.0		28.0	
PMF126B-152MT	1.5 ± 20%	2.7	3.2	43.0		26.0	
PMF126B-172MT	1.7 ± 20%	3.5	4.0	40.0		25.0	
PMF126B-182MT	1.8 ± 20%	3.5	4.0	39.0		24.0	
PMF126B-192MT	1.9 ± 20%	3.7	4.3	36.0		22.0	
PMF126B-222MT	2.2 ± 20%	4.0	4.7	34.0		21.0	
PMF126B-272MT	2.7 ± 20%	4.6	5.4	31.0		19.0	
PMF126B-292MT	2.9 ± 20%	4.9	6.0	30.0		18.0	
PMF126B-332MT	3.3 ± 20%	5.8	7.1	28.0		17.0	
PMF126B-472MT	4.7 ± 20%	9.5	11.5	25.0		16.0	
PMF126B-562MT	5.6 ± 20%	10.8	12.6	22.0		15.5	
PMF126B-682MT	6.8 ± 20%	12.0	13.8	19.0		15.0	
PMF126B-822MT	8.2 ± 20%	13.6	16.0	17.0		11.0	
PMF126B-103MT	10.0 ± 20%	18.0	20.7	15.5		11.0	
PMF126B-123MT	12.0 ± 20%	20.0	23.0	13.5		9.5	
PMF126B-153MT	15.0 ± 20%	25.0	29.0	13.0		9.0	
PMF126B-183MT	18.0 ± 20%	30.0	35.0	12.0		8.5	
PMF126B-223MT	22.0 ± 20%	34.0	39.5	11.0		8.0	
PMF126B-273MT	27.0 ± 20%	49.0	56.0	9.0		7.0	
PMF126B-333MT	33.0 ± 20%	65.0	75.0	8.0		6.0	
PMF126B-473MT	47.0 ± 20%	80.0	90.0	7.0		5.5	
PMF126B-563MT	56.0 ± 20%	101.0	118.0	6.5		5.3	
PMF126B-683MT	68.0 ± 20%	120.0	140.0	6.0		5.0	
PMF126B-823MT	82.0 ± 20%	138.0	161.0	5.5		4.5	
PMF126B-104MT	100.0 ± 20%	180.0	200.0	5.0		4.0	
PMF126B-124MT	120.0 ± 20%	210.0	235.0	4.5		3.5	
PMF126B-154MT	150.0 ± 20%	300.0	350.0	4.0		3.0	
PMF126B-174MT	170.0 ± 20%	345.0	415.0	3.5		2.5	
PMF126B-224MT	220.0 ± 20%	480.0	550.0	3.0		2.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (Isat) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current (Irms): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: Isat or Irms, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronical Characteristics :

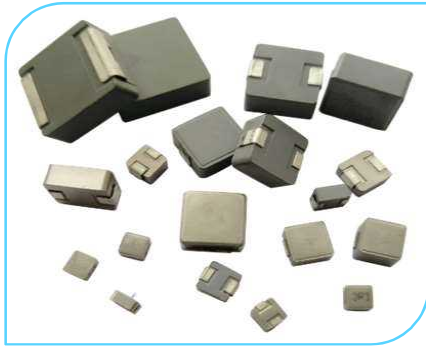
## PMF177 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	I <sub>sat 1</sub> (A) Typ.	I <sub>sat 2</sub> (A) Typ.	I <sub>rms</sub> (A) Typ.	
PMF177-451MT	0.45 $\pm$ 20%	0.8	1.0	85.0	125.0	62.0	
PMF177-102MT	1.0 $\pm$ 20%	1.6	2.0	60.0	70.0	52.0	
PMF177-132MT	1.3 $\pm$ 20%	1.7	2.3	54.0	67.0	49.0	
PMF177-152MT	1.5 $\pm$ 20%	2.0	2.5	52.0	65.0	47.0	
PMF177-222MT	2.2 $\pm$ 20%	2.4	2.7	47.0	62.0	43.5	
PMF177-332MT	3.3 $\pm$ 20%	3.5	3.9	45.0	54.0	28.0	
PMF177-472MT	4.7 $\pm$ 20%	4.8	5.5	41.0	50.0	25.0	
PMF177-562MT	5.6 $\pm$ 20%	5.8	7.1	40.0	45.0	21.0	
PMF177-682MT	6.8 $\pm$ 20%	8.4	9.2	32.0	39.0	19.0	
PMF177-822MT	8.2 $\pm$ 20%	9.6	10.8	25.0	31.0	18.0	
PMF177-103MT	10 $\pm$ 20%	11.8	13.0	24.0	29.0	16.5	
PMF177-153MT	15 $\pm$ 20%	17.8	20.5	23.0	27.0	12.5	
PMF177-223MT	22 $\pm$ 20%	25.1	26.5	18.0	23.0	12.0	
PMF177-333MT	33 $\pm$ 20%	38.0	44	15.0	20.0	10.7	
PMF177-393MT	39 $\pm$ 20%	40.0	48	11.0	18.0	9.2	
PMF177-473MT	47 $\pm$ 20%	48.0	55	9.5	16.0	8.7	
PMF177-563MT	56 $\pm$ 20%	54.0	62	9.0	15.0	7.8	
PMF177-683MT	68 $\pm$ 20%	68	80	8.0	13.0	7.0	
PMF177-104MT	100 $\pm$ 20%	102	118	6.5	12.0	5.3	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current (I<sub>sat</sub>) : will cause the inductance drops approximately 20% (I<sub>sat 1</sub>), or 30%(I<sub>sat 2</sub>) from its value without current.
3. Heat rating current (I<sub>rms</sub>): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from 20 $^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed 125 $^{\circ}\text{C}$  under worst case.
5. All test data referenced to 25 $^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current: I<sub>sat</sub> or I<sub>rms</sub>, whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.



**Features :**

- ◆ Magnetic shielded structure.
- ◆ Ultra low buzz noise, due to composite construction.
- ◆ Low loss, high efficiency, wide application frequency to 500 KHz.
- ◆ Low DCR and High saturation current.
- ◆ Light weigh design, save space. Suitable for high density SMT.
- ◆ Recommended solder profile: Reflow.
- ◆ Operating temperature: -40°C ~ +125°C( including coil's self temperature rise ).
- ◆ Storage temperature: -40°C ~ +80°C ( in Tape and Reel packaging).
- ◆ RoHS, REACH compliant, Haloger free available.

**Applications :**

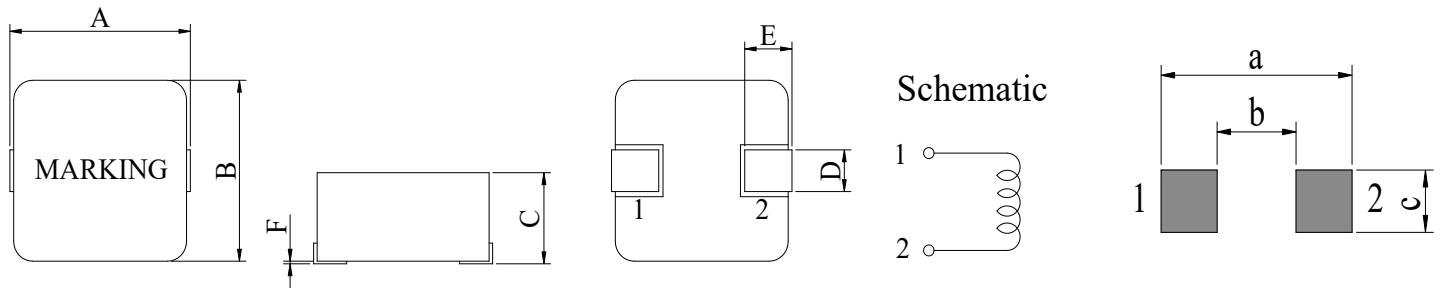
- ◆ Voltage Regulator Moduel
- ◆ Point-of-load modules (POL)
- ◆ Base station equipment
- ◆ Battery power systems
- ◆ Data networking and storage systems
- ◆ Multi-phase regulators
- ◆ Desktop and server VRMs and EVRDs
- ◆ Notebook and laptop regulators
- ◆ Garphic cards
- ◆ High current chokes for switching power supply

**Product Identification :**

PMG	62		-	332		M		T
Series name	External dimension L x W x T [mm]			Inductance Value		Inductance Tolerance		Packing
Molding Type Alloy Powder High Current Power Inductor	Code	Dimension		Code	Inductance value	Code	Tolerance	T ⇒ Tape & Reel B ⇒ Bulk with Trays
	42	4.7x4.2x2.0		221	0.22 μH	J	±5%	
	52	5.7x5.2x2.0		332	3.3 μH	K	±10%	
	53	5.7x5.2x3.0		473	47 μH	L	±15%	
	63	7.3x6.6x3.0		104	100 μH	M	±20%	
	65	7.3x6.6x5.0				N	±30%	
	104	11.0x10.1x4.0						
	105	11.0x10.1x5.0						
	125	13.8x12.6x5.0						
	126	13.8x12.6x6.0						
177	17.8x16.9x7.0							

**Dimensions & Shape : [mm]**

**PAD LAYOUT**



Part number	A	B	C	D	E	F	a	b	c
PMG42	4.7±0.3	4.2±0.3	2.0 max	1.5±0.3	1.0±0.5	0.15 typ	5.4	2.2	2.5
PMG52	5.7±0.3	5.2±0.3	2.0 max	2.1±0.3	1.2±0.5	0.15 typ	6.4	2.2	2.6
PMG53	5.7±0.3	5.2±0.3	3.0 max	2.1±0.3	1.2±0.5	0.15 typ	6.4	2.2	2.6
PMG63	7.3±0.3	6.6±0.3	3.0 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMG65	7.3±0.3	6.6±0.3	5.0 max	3.0±0.3	1.5±0.5	0.20 typ	8.0	3.6	3.5
PMG104	11.0±0.5	10.1±0.3	4.0 max	3.0±0.3	2.0±0.5	0.15 typ	13.0	7.0	3.5
PMG105	11.0±0.5	10.1±0.3	5.0 max	3.0±0.3	2.0±0.5	0.15 typ	13.0	7.0	3.5
PMG125	13.8±0.5	12.6±0.3	5.0 max	3.5±0.5	2.5±0.5	0.15 typ	14.8	7.5	4.2
PMG126	13.8±0.5	12.6±0.3	6.0 max	3.5±0.5	2.5±0.5	0.15 typ	14.8	7.5	4.2
PMG177	17.8±0.5	16.9±0.3	7.0 max	11.9±0.5	2.5±0.5	0.15 typ	18.5	12.0	12.6

## Electronial Characteristics :

## PMG42 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A)	Typ.	$I_{\text{rms}}$ (A)	Typ.
PMG42-101MT	0.10 $\pm$ 20%	3.0	3.5	25.0		13.0	
PMG42-221MT	0.22 $\pm$ 20%	5.5	6.0	13.0		9.5	
PMG42-471MT	0.47 $\pm$ 20%	9.0	12	9.5		8.0	
PMG42-561MT	0.56 $\pm$ 20%	14.0	16	9.0		7.0	
PMG42-681MT	0.68 $\pm$ 20%	12.0	15	9.0		7.0	
PMG42-102MT	1.0 $\pm$ 20%	19.0	24	7.0		6.0	
PMG42-122MT	1.2 $\pm$ 20%	24.0	27	6.0		5.5	
PMG42-152MT	1.5 $\pm$ 20%	25.0	28	6.0		5.5	
PMG42-222MT	2.2 $\pm$ 20%	39.0	45	5.0		4.5	
PMG42-332MT	3.3 $\pm$ 20%	70.0	80	4.0		3.5	
PMG42-472MT	4.7 $\pm$ 20%	92.0	110	3.0		2.8	
PMG42-682MT	6.8 $\pm$ 20%	125.0	135	2.5		2.4	
PMG42-103MT	10.0 $\pm$ 20%	220.0	240	2.0		1.6	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

## PMG52 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A)	Typ.	$I_{\text{rms}}$ (A)	Typ.
PMG52-101MT	0.10 $\pm$ 20%	2.7	2.9	25.0		21.0	
PMG52-221MT	0.22 $\pm$ 20%	4.1	4.5	17.0		13.0	
PMG52-331MT	0.33 $\pm$ 20%	5.5	5.9	13.0		7.5	
PMG52-471MT	0.47 $\pm$ 20%	7.1	7.7	12.5		8.0	
PMG52-102MT	1.0 $\pm$ 20%	16.8	18	7.5		7.0	
PMG52-152MT	1.5 $\pm$ 20%	30	35	6.0		5.5	
PMG52-222MT	2.2 $\pm$ 20%	34.9	37.7	5.5		5.0	
PMG52-332MT	3.3 $\pm$ 20%	58.5	68	4.7		4.1	
PMG52-472MT	4.7 $\pm$ 20%	75.3	81.3	3.2		3.0	
PMG52-562MT	5.6 $\pm$ 20%	85.2	92	3.0		2.2	
PMG52-682MT	6.8 $\pm$ 20%	114	121	2.8		2.1	
PMG52-103MT	10.0 $\pm$ 20%	200	220	2.2		2.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ) : DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.



## Electronial Characteristics :

## PMG53 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A)	Typ.	$I_{\text{rms}}$ (A)	Typ.
PMG53-201MT	0.2 $\pm$ 20%	3.5	3.9	15.0		14.0	
PMG53-471MT	0.47 $\pm$ 20%	7.4	8.5	14.0		11.0	
PMG53-681MT	0.68 $\pm$ 20%	11.0	12.0	12.0		9.0	
PMG53-102MT	1.0 $\pm$ 20%	11.0	15.0	10.0		9.0	
PMG53-122MT	1.2 $\pm$ 20%	15.0	16.0	11.0		9.0	
PMG53-152MT	1.5 $\pm$ 20%	13.0	18.0	9.0		8.5	
PMG53-222MT	2.2 $\pm$ 20%	21.0	24.0	7.0		6.5	
PMG53-332MT	3.3 $\pm$ 20%	33.0	38.0	6.0		5.0	
PMG53-472MT	4.7 $\pm$ 20%	50.0	60.0	4.5		4.5	
PMG53-682MT	6.8 $\pm$ 20%	75.0	90.0	3.5		3.5	
PMG53-103MT	10.0 $\pm$ 20%	100.0	125.0	3.2		3.2	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ): DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

## PMG63 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A)	Typ.	$I_{\text{rms}}$ (A)	Typ.
PMG63-221MT	0.22 $\pm$ 20%	1.55	2.30	41.0		30.0	
PMG63-331MT	0.33 $\pm$ 20%	1.60	2.50	35.0		25.0	
PMG63-471MT	0.47 $\pm$ 20%	4.00	4.50	20.0		18.0	
PMG63-681MT	0.68 $\pm$ 20%	4.75	5.30	19.0		16.0	
PMG63-821MT	0.82 $\pm$ 20%	6.60	7.25	15.5		13.0	
PMG63-102MT	1.00 $\pm$ 20%	13.20	16.00	18.0		12.5	
PMG63-152MT	1.50 $\pm$ 20%	16.50	20.00	14.0		8.5	
PMG63-222MT	2.20 $\pm$ 20%	24.50	35.00	12.0		7.0	
PMG63-332MT	3.30 $\pm$ 20%	35.00	40.00	9.0		6.0	
PMG63-472MT	4.70 $\pm$ 20%	36.00	42.00	7.0		5.7	
PMG63-562MT	5.60 $\pm$ 20%	44.30	48.00	6.0		5.1	
PMG63-682MT	6.80 $\pm$ 20%	60.00	64.90	6.0		5.0	
PMG63-103MT	10.0 $\pm$ 20%	64.50	68.00	5.5		4.5	
PMG63-153MT	15.0 $\pm$ 20%	103.00	115.00	4.6		3.1	
PMG63-223MT	22.0 $\pm$ 20%	126.00	135.00	3.5		2.6	
PMG63-333MT	33.0 $\pm$ 20%	250.00	270.00	3.0		2.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ): DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMG65 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A)	Typ.	$I_{\text{rms}}$ (A)	Typ.
PMG65-221MT	0.22 $\pm$ 20%	1.1	1.3	35.0		30.0	
PMG65-471MT	0.47 $\pm$ 20%	3.2	3.8	21.0		20.0	
PMG65-561MT	0.56 $\pm$ 20%	3.4	3.9	18.0		18.0	
PMG65-681MT	0.68 $\pm$ 20%	3.9	4.2	16.0		16.0	
PMG65-821MT	0.82 $\pm$ 20%	4.6	4.9	15.0		14.0	
PMG65-102MT	1.00 $\pm$ 20%	6.5	8.5	13.0		12.0	
PMG65-152MT	1.50 $\pm$ 20%	7.0	8.5	12.0		10.0	
PMG65-222MT	2.20 $\pm$ 20%	11.2	12.5	10.0		9.5	
PMG65-332MT	3.30 $\pm$ 20%	20.0	22.0	9.0		8.5	
PMG65-472MT	4.70 $\pm$ 20%	26.0	30.0	8.0		6.0	
PMG65-682MT	6.80 $\pm$ 20%	36.5	41.0	7.0		5.5	
PMG65-103MT	10.0 $\pm$ 20%	48.0	55.0	6.0		4.5	
PMG65-153MT	15.0 $\pm$ 20%	77.0	85.0	4.0		3.1	
PMG65-223MT	22.0 $\pm$ 20%	125.0	140.0	3.5		2.5	
PMG65-333MT	33.0 $\pm$ 20%	150.0	200.0	3.0		2.3	
PMG65-473MT	47.0 $\pm$ 20%	260.0	300.0	2.8		2.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ): DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise ( $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

## PMG104 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A)	Typ.	$I_{\text{rms}}$ (A)	Typ.
PMG104-221MT	0.22 $\pm$ 20%	1.2	1.5	60.0		35.0	
PMG104-361MT	0.36 $\pm$ 20%	1.7	1.9	50.0		30.0	
PMG104-471MT	0.47 $\pm$ 20%	1.9	2.2	40.0		30.0	
PMG104-561MT	0.56 $\pm$ 20%	2.1	2.4	33.0		25.0	
PMG104-681MT	0.68 $\pm$ 20%	2.3	3.0	30.0		23.0	
PMG104-102MT	1.00 $\pm$ 20%	3.0	4.0	28.0		18.0	
PMG104-152MT	1.50 $\pm$ 20%	4.8	5.4	23.0		16.0	
PMG104-222MT	2.20 $\pm$ 20%	7.2	9.0	18.0		12.0	
PMG104-332MT	3.30 $\pm$ 20%	10.8	11.8	16.0		10.0	
PMG104-472MT	4.70 $\pm$ 20%	17.0	20.0	15.0		8.5	
PMG104-682MT	6.80 $\pm$ 20%	22.5	25.0	12.0		7.0	
PMG104-103MT	10.0 $\pm$ 20%	34.0	37.0	8.5		5.5	
PMG104-153MT	15.0 $\pm$ 20%	50.0	55.0	7.0		5.0	
PMG104-223MT	22.0 $\pm$ 20%	60.0	66.0	5.0		4.0	
PMG104-333MT	33.0 $\pm$ 20%	85.0	92.0	4.5		3.5	
PMG104-473MT	47.0 $\pm$ 20%	141.0	155.0	3.5		3.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ): DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise ( $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMG105 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A)	Typ.	$I_{\text{rms}}$ (A)	Typ.
PMG105-821MT	0.82 $\pm$ 20%	2.5	3.2	39.0		22.0	
PMG105-102MT	1.00 $\pm$ 20%	2.8	3.5	32.0		20.0	
PMG105-122MT	1.20 $\pm$ 20%	2.8	3.5	29.0		19.5	
PMG105-152MT	1.50 $\pm$ 20%	3.9	4.8	27.5		15.0	
PMG105-222MT	2.20 $\pm$ 20%	6.5	8.2	21.5		12.0	
PMG105-332MT	3.30 $\pm$ 20%	9.2	10.8	18.6		10.0	
PMG105-472MT	4.70 $\pm$ 20%	12.4	15.0	16.5		9.5	
PMG105-562MT	5.60 $\pm$ 20%	18.9	20.0	15.0		8.5	
PMG105-682MT	6.80 $\pm$ 20%	20.6	24.0	14.0		8.0	
PMG105-822MT	8.20 $\pm$ 20%	27.4	30.0	12.5		7.0	
PMG105-103MT	10.0 $\pm$ 20%	30.2	35.0	11.5		6.8	
PMG105-153MT	15.0 $\pm$ 20%	48.0	52.8	9.0		5.0	
PMG105-223MT	22.0 $\pm$ 20%	50.0	58.0	8.0		4.5	
PMG105-333MT	33.0 $\pm$ 20%	89.0	105.0	6.5		3.5	
PMG105-473MT	47.0 $\pm$ 20%	110.0	130.0	5.0		3.0	
PMG105-683MT	68.0 $\pm$ 20%	171.0	190.0	3.0		2.0	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ): DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

## PMG125 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A)	Typ.	$I_{\text{rms}}$ (A)	Typ.
PMG125-361MT	0.36 $\pm$ 20%	0.85	1.10	60.0		41.0	
PMG125-471MT	0.47 $\pm$ 20%	1.10	1.30	52.0		39.0	
PMG125-681MT	0.68 $\pm$ 20%	1.20	1.50	40.0		32.0	
PMG125-821MT	0.82 $\pm$ 20%	1.50	1.70	42.0		30.0	
PMG125-102MT	1.00 $\pm$ 20%	1.90	2.20	35.0		26.0	
PMG125-152MT	1.50 $\pm$ 20%	2.70	3.20	30.0		23.0	
PMG125-222MT	2.20 $\pm$ 20%	4.00	5.00	26.0		20.0	
PMG125-332MT	3.30 $\pm$ 20%	7.00	9.00	22.0		15.0	
PMG125-472MT	4.70 $\pm$ 20%	9.00	11.0	17.0		12.0	
PMG125-682MT	6.80 $\pm$ 20%	15.0	18.0	14.0		11.0	
PMG125-103MT	10.0 $\pm$ 20%	20.0	23.0	12.0		8.0	
PMG125-153MT	15.0 $\pm$ 20%	28.0	32.0	10.0		6.0	
PMG125-223MT	22.0 $\pm$ 20%	45.0	52.0	7.0		4.5	
PMG125-333MT	33.0 $\pm$ 20%	66.0	75.0	4.0		4.0	
PMG125-473MT	47.0 $\pm$ 20%	100.0	120.0	5.0		3.0	
PMG125-683MT	68.0 $\pm$ 20%	115.0	135.0	4.5		2.5	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ): DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise(  $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

## Electronial Characteristics :

## PMG126 series

Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>	
		Typ.	Max.	$I_{\text{sat}}$ (A) Typ.	Typ.	$I_{\text{rms}}$ (A) Typ.	Typ.
PMG126-681MT	0.68 $\pm$ 20%	1.2	1.4	55.0		33.0	
PMG126-102MT	1.00 $\pm$ 20%	1.5	1.7	35.0		30.0	
PMG126-222MT	2.20 $\pm$ 20%	2.6	3.0	25.0		20.0	
PMG126-332MT	3.30 $\pm$ 20%	4.2	5.0	22.0		16.0	
PMG126-472MT	4.70 $\pm$ 20%	6.8	8.0	18.0		13.0	
PMG126-682MT	6.80 $\pm$ 20%	10.0	14.0	15.0		12.0	
PMG126-822MT	8.20 $\pm$ 20%	13.5	16.0	14.0		11.0	
PMG126-103MT	10.0 $\pm$ 20%	18.0	21.0	12.5		10.0	
PMG126-223MT	22.0 $\pm$ 20%	34.0	38.0	8.0		5.0	
PMG126-273MT	27.0 $\pm$ 20%	36.0	42.0	7.0		4.5	
PMG126-333MT	33.0 $\pm$ 20%	47.0	56.0	7.0		4.5	
PMG126-473MT	47.0 $\pm$ 20%	58.0	70.0	6.0		4.0	
PMG126-683MT	68.0 $\pm$ 20%	105.0	125.0	5.0		3.5	
PMG126-823MT	82.0 $\pm$ 20%	115.0	140.0	4.0		3.0	
PMG126-104MT	100.0 $\pm$ 20%	130.0	200.0	4.3		2.5	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 0.25Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ): DC current at which the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise ( $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

## PMG177 series

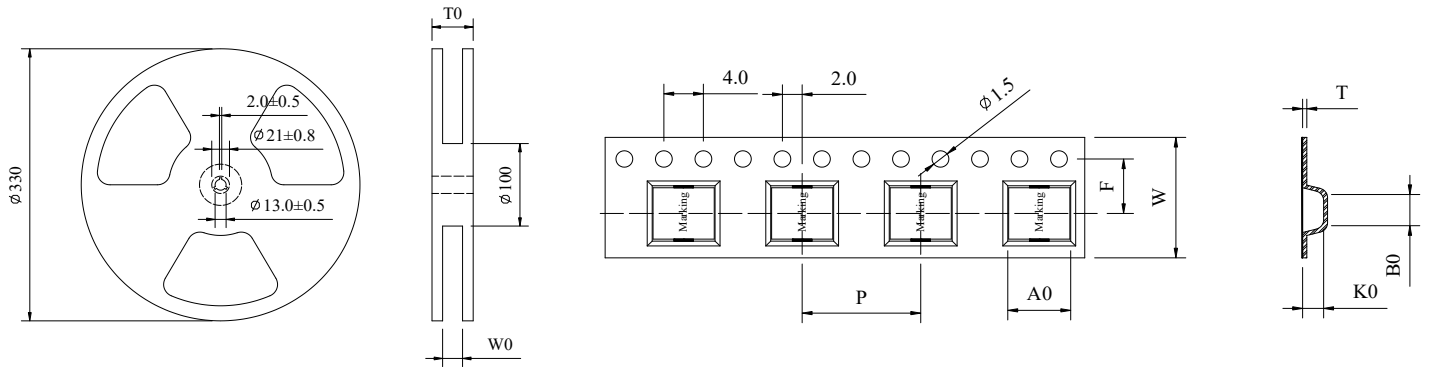
Part Number	Inductance ( $\mu\text{H}$ ) <sup>①</sup>	DC Resistance (m $\Omega$ )		DC Saturation Current <sup>②</sup>		Heat Rating Current <sup>③</sup>			
		Typ.	Max.	$I_{\text{sat}}$ (A) Typ.	$I_{\text{sat}}$ (A) Max.	$I_{\text{rms}}$ (A) Typ.	$I_{\text{rms}}$ (A) Max.	$I_{\text{rms}}$ (A) Typ.	$I_{\text{rms}}$ (A) Max.
PMG177-471MT	0.47 $\pm$ 20%	0.70	0.9	110	100	60		55	
PMG177-561MT	0.56 $\pm$ 20%	0.81	0.97	80	70	56		50	
PMG177-102MT	1.0 $\pm$ 20%	1.06	1.3	50	45	46		42	
PMG177-152MT	1.5 $\pm$ 20%	1.5	1.8	46	40	39		35	
PMG177-182MT	1.8 $\pm$ 20%	1.7	2.0	40	34	35		32	
PMG177-222MT	2.2 $\pm$ 20%	1.8	2.2	35	32	32		30	
PMG177-332MT	3.3 $\pm$ 20%	2.7	3.3	32	29	30		28	
PMG177-472MT	4.7 $\pm$ 20%	3.7	4.5	29	26	28		26	
PMG177-682MT	6.8 $\pm$ 20%	6.0	7.2	25	22	24		22	
PMG177-103MT	10 $\pm$ 20%	9.2	10.6	22	19	21		19	
PMG177-153MT	15 $\pm$ 20%	12.8	15.5	16	14	16		14	
PMG177-223MT	22 $\pm$ 20%	20.5	24.0	13.5	11.5	13.5		11.5	
PMG177-333MT	33 $\pm$ 20%	32.0	37	12	10	12		10	
PMG177-473MT	47 $\pm$ 20%	40	47	9.5	8	9.5		8	
PMG177-823MT	82 $\pm$ 20%	69	83	8	6.5	6.5		5.7	

\* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Saturation current ( $I_{\text{sat}}$ ): will cause the inductance drops approximately 30% from its value without current.
3. Heat rating current ( $I_{\text{rms}}$ ): DC current that causes the temperature rise ( $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient.
4. The part temperature (ambient + temperature rise) should not exceed  $125^{\circ}\text{C}$  under worst case.
5. All test data referenced to  $25^{\circ}\text{C}$  ambient, unless otherwise specified.
6. Rated current:  $I_{\text{sat}}$  or  $I_{\text{rms}}$ , whichever is smaller.

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

**Packaging :**



Size Number	A0	B0	K0	P	W	F	T	T0	W0	Packaging Quantity [ PCS / Reel ]
42B	4.4±0.1	5.0±0.1	1.8±0.1	8.0±0.1	12.0±0.3	5.5±0.1	0.35±0.05	18.4	14.0	3000
42C	4.4±0.1	5.0±0.1	2.1±0.1	8.0±0.1	12.0±0.3	5.5±0.1	0.35±0.05	18.4	14.0	3000
42	4.4±0.1	5.0±0.1	2.3±0.1	8.0±0.1	12.0±0.3	5.5±0.1	0.35±0.05	18.4	14.0	3000
52B	5.5±0.1	6.2±0.1	1.8±0.1	8.0±0.1	12.0±0.3	5.5±0.1	0.35±0.05	18.4	14.0	3000
52C	5.5±0.1	6.2±0.1	2.1±0.1	8.0±0.1	12.0±0.3	5.5±0.1	0.35±0.05	18.4	14.0	3000
52	5.5±0.1	6.3±0.1	2.3±0.1	8.0±0.1	12.0±0.3	5.5±0.1	0.35±0.05	18.4	14.0	3000
53	5.5±0.1	6.3±0.1	3.3±0.1	8.0±0.1	12.0±0.3	5.5±0.1	0.35±0.05	18.4	14.0	2000
62C	7.0±0.1	7.7±0.1	1.8±0.1	12.0±0.1	16.0±0.3	7.5±0.1	0.35±0.05	22.4	18.0	2000
62D	7.0±0.1	7.7±0.1	2.1±0.1	12.0±0.1	16.0±0.3	7.5±0.1	0.35±0.05	22.4	18.0	2000
62	7.0±0.1	7.7±0.1	2.3±0.1	12.0±0.1	16.0±0.3	7.5±0.1	0.35±0.05	22.4	18.0	2000
62B	7.0±0.1	7.7±0.1	2.7±0.1	12.0±0.1	16.0±0.3	7.5±0.1	0.35±0.05	22.4	18.0	1000
63	7.0±0.1	7.7±0.1	3.3±0.1	12.0±0.1	16.0±0.3	7.5±0.1	0.35±0.05	22.4	18.0	1000
64	7.0±0.1	7.7±0.1	4.3±0.1	12.0±0.1	16.0±0.3	7.5±0.1	0.35±0.05	22.4	18.0	1000
65	7.0±0.1	7.7±0.1	5.3±0.1	12.0±0.1	16.0±0.3	7.5±0.1	0.35±0.05	22.4	18.0	1000
103	10.4±0.1	11.6±0.1	3.5±0.1	16.0±0.1	24.0±0.3	11.5±0.1	0.35±0.05	30.4	26.0	1000
104	10.4±0.1	11.6±0.1	4.5±0.1	16.0±0.1	24.0±0.3	11.5±0.1	0.35±0.05	30.4	26.0	1000
105	10.4±0.1	11.6±0.1	5.3±0.1	16.0±0.1	24.0±0.3	11.5±0.1	0.35±0.05	30.4	26.0	800
123B	12.9±0.1	14.1±0.1	4.0±0.1	16.0±0.1	24.0±0.3	11.5±0.1	0.35±0.05	30.4	26.0	500
124	12.9±0.1	14.1±0.1	4.1±0.1	16.0±0.1	24.0±0.3	11.5±0.1	0.35±0.05	30.4	26.0	500
125	12.9±0.1	14.1±0.1	5.5±0.1	16.0±0.1	24.0±0.3	11.5±0.1	0.35±0.05	30.4	26.0	500
126	12.9±0.1	14.1±0.1	6.3±0.1	16.0±0.1	24.0±0.3	11.5±0.1	0.35±0.05	30.4	26.0	500
126B	12.9±0.1	14.1±0.1	6.5±0.1	16.0±0.1	24.0±0.3	11.5±0.1	0.35±0.05	30.4	26.0	500
177	17.5±0.1	18.0±0.1	7.1±0.1	32.0±0.1	32.0±0.3	14.2±0.1	0.35±0.05	38.4	34.0	150

\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.