

RF TRANSFORMERS FARF 5S,5SL SERIES



FEATURES

Pair wire coil for high stability.
Base pin terminal treated
Excellent Frequency Response
Low Profile Low Cost

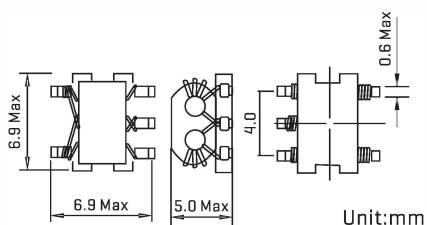
OPTIONS

Bulk Packaging is Standard
Custom design available dip Available

APPLICATIONS:

Double balance mixers,broad-band impedance transformers
Directional Couplers for Mixers
Matching Power Combining and Splitting
Step-Top box and cable modem

PHYSICAL CHARACTERISTICS



Pin Connections

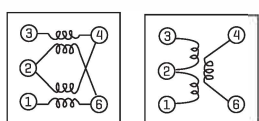


Fig.1

Fig.2

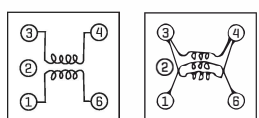
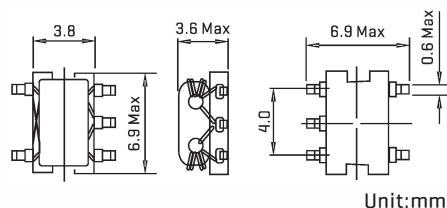


Fig.3

Fig.4



Unit:mm

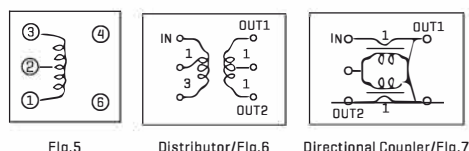


Fig.5

Distributor/Flg.6

Directional Coupler/Flg.7

TECHNICAL INFORMATION:

Soldering methods: Wave,Reflow
Operating Temperature: 0°C to 70°C
Storage Temperature: -55°C to 125°C

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

	Part Number	Number of Turns per Winding	Operating Frequency Range	Insertion Loss	Fig
Double Balanced Mixer	FARF-5S-1012	1	50MHz-400MHz	10dB max.	1
	FARF-5S-1013	2	100MHz-1.0GHz	6dB max.	1
	FARF-5S-1003	3	8MHz-800MHz	3.5dB max.	1
	FARF-5S-1008	4	6MHz-600MHz	2.5dB max.	1
	FARF-5S-1011	5	5MHz-500MHz	2dB max.	1
Frequency Mixer	FARF-5S-1005	2	400MHz-1.3MHz	4dB max.	1
	FARF-5S-1085	1		3dB max.	2
	FARF-5S-1052	2	9MHz-350MHz	3dB max.	2
	FARF-5S-1024	3	3.5MHz-470GHz	3dB max.	2
	FARF-5S-1086	4	2.2MHz-400MHz	3dB max.	2
Power Divider /Combiner	FARF-5S-1087	5	1.5MHz-300MHz	3dB max	2
	FARF-5S-1014		20MHz-600MHz	IN to OUT-1.2 4.5dB max. OUT-1 to OUT-2 [ISOLATION] 10dB min.	6
Directional Coupler	FARF-5S-1015	4	6MHz-600MHz	IN to OUT-11.3dB max. IN to OUT-2.11dB -14dB	7
	FARF-5S-1006	5	6MHz-600MHz	IN to OUT-10.9dB max. IN to OUT-2.13dB -16dB	7
	FARF-5S-1007	6	6MHz-600MHz	IN to OUT-10.8dB max. IN to OUT-2.15dB -17dB	7
Double Balanced Mixer	FARF-5SL-1001	2	30MHz-850MHz	3dB	1
	FARF-5SL-1002	3	6.5MHz-1000MHz	3dB	1
	FARF-5SL-1003	4	3.5MHz-1600MHz	3dB	1
	FARF-5SL-1004	5	2.5MHz-1500MHz	3dB	1
	FARF-5SL-1027	1	-	3dB	2
Frequency Mixer	FARF-5SL-1028	2	8MHz-550MHz	3dB	2
	FARF-5SL-1029	3	3.5MHz-500MHz	3dB	2
	FARF-5SL-1030	4	2MHz-370MHz	3dB	2
	FARF-5SL-1037	1	-	3dB	2
	FARF-5SL-1038	2	500MHz-850MHz	3dB	2
	FARF-5SL-1039	3	240MHz-500MHz	3dB	2
	FARF-5SL-1040	4	85MHz-380MHz	3dB	2
	FARF-5SL-1048	11/2	5.5MHz-850MHz	3dB	3
Balun Transformer	FARF-5SL-1049	21/2	2.5MHz-2200MHz	3dB	3
	FARF-5SL-1050	31/2	1.2MHz-1700MHz	3dB	3
	FARF-5SL-1051	41/2	0.8MHz-1400MHz	3dB	3
	FARF-5SL-1078	51/2	0.6MHz-1300MHz	3dB	3
Balun Transformer	FARF-5SL-1053	11/2	160MHz-2200MHz	3dB	4
	FARF-5SL-1017	21/2	55MHz-1700MHz	3dB	4
	FARF-5SL-1054	31/2	30MHz-1400MHz	3dB	4

Note: J=±5%, K=±10%, M=±20%