

## Kapton insulator washers

- very low thermal resistance
- optimised heat conductivity
- best mechanical characteristics
- polyimide-carrier foil with silicone-free phase changing thermal conductive layer completely coated on both sides
- clean processing, no abrasion of the coating
- stacked foils do not stick together
- good resistance against cleaning agents
- no cold flow
- low pressure force necessary, thus particularly applicable for spring-fixing of semiconductors
- cuttings and special versions according to customer's requirements
- the thermal details refer to an area of 1 inch<sup>2</sup> (6.45 cm<sup>2</sup>)

<b>art. no.</b> <b>KAP 1 P</b> suitable for pre-cut parts (plate)	<b>art. no.</b> <b>KAP 247 O</b> TO 248/ TO 218/ TO 247	<b>art. no.</b> <b>KAP 218 O</b> TO 218	<b>art. no.</b> <b>KAP 220 O</b> TO 220	<b>art. no.</b> <b>KAP 218</b> TO 248/ TO 218/ TO 247
<b>art. no.</b> <b>KAP 220 G</b> TO 220	<b>art. no.</b> <b>KAP 220 K</b> TO 220	<b>art. no.</b> <b>KAP 3 G</b> TO 3	<b>art. no.</b> <b>KAP 3 K</b> TO 3	

	KAP
<b>material</b>	polyimide-carrier foil with silicone-free phase changing thermal conductive layer completely coated on both sides
<b>material thickness</b>	0.077 mm (substrate 0.05 mm)
<b>thermal conductivity</b>	0.45 W/m·K (substrate)
<b>insulation resistance</b>	10 <sup>14</sup> Ω
<b>thermal resistance</b>	0.15 K/W [at 1 inch <sup>2</sup> ; = 6.45 cm <sup>2</sup> ; = TO 3 (KAP 3)]
<b>temperature range</b>	-40 °C ... +150 °C
<b>phase change temperature</b>	52 °C
<b>extensibility</b>	30 %
<b>dielectric strength</b>	7.8 kV
<b>class of flammability</b>	UL 94 V-0

Mica wafers

<b>art. no.</b> <b>GS 220 C</b> TO 220	<b>art. no.</b> <b>GS 218</b> TO 218	<b>art. no.</b> <b>GS 3 P SL</b> TOP 3	<b>art. no.</b> <b>GS 66 P</b> TO 66	<b>art. no.</b> <b>GS 220 4</b> TO 220
<b>art. no.</b> <b>GS 220 P</b> TO 220	<b>art. no.</b> <b>GS 32 P</b> SOT 32	<b>art. no.</b> <b>GS 3 P</b> TOP 3	<b>art. no.</b> <b>GS 3</b> TO-3	

	<b>GS</b>
<b>material</b>	muskovit
<b>material thickness</b>	0.05 mm
<b>insulation resistance</b>	$3 \cdot 10^{17} \Omega/\text{cm}$
<b>thermal resistance (GS 3)</b>	0.4 K/W
<b>snap through stability</b>	5 kV