

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 inch² (6.45 cm²)

art. no. KAP 1 P suitable for pre-cut parts (plate)	art. no. KAP 247 O TO 248/ TO 218/ TO 247	art. no. KAP 218 O TO 218	art. no. KAP 220 O TO 220	art. no. KAP 218 TO 248/ TO 218/ TO 247
art. no. KAP 220 G TO 220	art. no. KAP 220 K TO 220	art. no. KAP 3 K TO 3		
	KAP 1 P		KAP	
material	polyimide-carrier foil with silicone-free phase changing thermal conductive layer completely coated on both sides			
phase change temperature	52 °C			
thermal resistance	0.15 K/W [at 1 inch ² ; = 6.45 cm ² ; = TO 3 (KAP 3)]			
temperature range	-40°C... +150°C			
thermal conductivity	0.45 W/m·K (substrate)			
insulation resistance	10 ¹⁴ Ω			
material thickness	0.077mm (substrate 0.05mm)			
elongation	30 %			
dielectric strength	7.8 kV			
class of inflammability	UL 94 V-0			
type of delivery	plate		cut	

art. no. GS 220 C TO 220	art. no. GS 218 TO 218	art. no. GS 3 P SL TOP 3	art. no. GS 66 P TO 66	art. no. GS 220 4 TO 220
art. no. GS 220 P TO 220	art. no. GS 32 P SOT 32	art. no. GS 3 P TOP 3	art. no. GS 3 TO 3	
GS				
material	muskovit			
material thickness	0.05 mm			
thermal resistance (GS 3)	0.4 K/W			
dielectric strength	5 kV			
insulation resistance	3·10 ¹⁷ Ω·cm			