

Heat Transfer Washers

Thermal Performances

	Thermal	Voltage	Mechanical	Working Temp
Al ₂ O ₃	Good	Medium	Medium	High
BeO	High	High	Medium	High
Melinex	Low	Medium/High	High	Low
Mica	Fair	Medium	Medium	Medium
Hard Anodised	Good	Low	High	Low

Technical Specification

Material	Al ₂ O ₃	BeO	Melinex	Mica	Hard Anodised	With Thermal Jointing Compound
Purity	96%	96%	N/A	N/A	N/A	N/A
Dielectric Strength	7kV	14kV	10kV	6kV	500V	300V/mil
Insul. Res @ 500V DC	10 ⁹ Ω	10 ¹² Ω	10 ⁹ Ω	10 ¹⁷ Ω	5 x 10 ⁸ Ω	4 x 10 ¹⁴ Ω
Thermal Conduct. @ 20°C (Cal/cm sec °C)	0.07	0.6	3.4 x 10 ⁴	1.2 x 10 ³	8 x 10 ²	1.78 x 10 ³
Therm. Res. @ 20°C (°C/W) (Typical for Jedec TO3)	0.30	0.1	0.8	0.425	0.4	0.00745
Dielectric Const. 20°C/1MHz	9.2	7.0	3.0	7.5	11.5	-
Dissipation Factor 1MHz	0.01	0.0004	0.006	0.0025	0.04	-
Temp. Range -70°C to	+1700°C	+2000°C	+150°C	+550°C	+200°C	+200°C
Loading Torque Max. for 6BA Screw NM	0.5	0.5	0.5	0.5	0.5	-