

THERMAL CONDUCTIVITY OF MATERIALS

Material	Thermal Conductivity (W/mK)
Diamond	1000 W/mK
Copper	90..400 W/mK
Gold	290 W/mK
Aluminium	50..235 W/mK
Steel (low carbon)	66 W/mK
Boron Nitride	39 W/mK
Solder	20..50 W/mK
Stainless Steel	20 W/mK
Alumina	27 W/mK
Mica	0.7 W/mK
Water	0.5 W/mK
Heat sink compound	0.5..4 W/mK
FR4	0.3 W/mK
Epoxy	0.2 ..0.3 W/mK
Mylar	0.2 W/mK
Air	0.027 W/mK