KL LAMINATES S.R.L.

Technical data sheet

PROPERTIES
THERMAL E
The values are measured on standard Thermal E, with copper surface of 35µ, dielectric of 0.10mm, aluminium of 1.50 mm.
Produced with epoxy multifunctional and dysfunctional epoxy resin

DILECTRIC LAYERS CHARACTERISTICS

DIELECTRIC CONSTANT 1 MHz	4.7
DISSIPATION FACTOR	0.018.
TMA-T260 Min	13
Tma-t300 Min	0
TDA – TD 5% WT loss °C	315
HPCT (2 h) + 20 sec dip.288°C	100% pass
Average Z CTE 40-200°C ppm/K	160
Dielectric thickness available = 0.10mm – 0.20 mm	

COMPOSITE LAMINATE
***DENOMINATION :* THERMAL E**

THERMAL E is a composite laminate with copper, prepreg, epoxy or modified epoxy resin and aluminium Alloy

APPLICATIONS	*For all the applications where the thermal dissipation of the heat is needed, with or without SMD components*
STANDARD CONSTRUCTION	ALUMINIUM thickness in mm : 0.8 – 1.0 – 1.5 – 2.0 – 3.0
INSULATING PREPREG	0.10 mm – 0.20 mm
STANDARD SIZES	*400mm X 500mm - 460mm X 610mm*
COPPER µ	18µ - 35µ - 70µ - 105µ - 140µ - 400µ
THERMAL E PROTECTION PURPOSES	Alu side protection with dry film Alu side protection with dry film and Mylar Alu and copper side protection with dry film

KL LAMINATES SRL
CORSO MAGENTA, 2 – 20122 MILANO – ITALY
P.IVA – ID CODE IT 04681530962 Reg Imp. Milano
Tel 0039-3488912623 / 0039-335264477 – Fax 0039-02-58314480