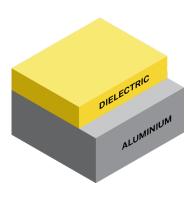


COBRITHERM ALP

Data Sheet DS_73

STANDARD CONSTRUCTION



*Other constructions available upon request

ISOLATION thickness µm (in) 120 (4.8mils) Dielectric thickness tolerance +/- 10µm (+/- 0,4 mils)

Aluminium
thickness μm (in)
150 (0.0059) / 800 (0.031) /
1000 (0.039) / 1200 (0.047),
1500 (0.059) / 2000(0.078) /
2500 (0,098) / 3000 (0.12)
Alloy/Treat 5052

DESCRIPTION

Aluminum coated with thermal conductive polymeric resin, delivered as B-stage. Can be supplied with coating on one or both sides. By using Cobritherm ALP you increase bonding skills over aluminum lamination achieving high thermal conductivity







UL Approved QMTS2 QMTS8 File: E47820 IPC-4101



RoHS 3 / REACH Last updated compliance directive



PROPERTIES	VALUES	UNITS	TEST METHOD
Bow / Twist	0,5	%	-
Dielectric breakdown voltage, AC *	6	kV	IPC-TM 650-2.5.6.3
Thermal conductivity (dielectric layer)	1,8 (0,051) **	W/mK (W/inK)	ASTM-D 5470
Thermal resistance (dielectric layer)	0,18	K/W	ASTM-D 5470
Comparative tracking index (CTI)	600	V	IEC-61112
Capacitance	40	pF/cm ²	-
Flammability, according UL-94, class	V-0	Class	UL-94
Glass transition temperature of dielectric layer (by TMA)	120	°C	IPC-TM 650-2.4.24
Maximum operating temperature	150	°C	

^(*) Values or parameters measured with a destructive method or limited size for the test sample must be considered as a representative values, and not as guaranteed values. They are not guarented over 100% of the material.

^(**) Thermal Conductivity and Impedance values may have a +/- 15% deviation.

AVAILABILITY	
MAX SIZES mm	2450 x 1245
Tolerance mm (in)	+5/-0 mm (0,2 in)
Squareness mm (in)	3 mm (0,12 in) max., as differential between diagonal measurements.
Standard size tolerance in panels mm(in)	+- 0,3 mm. (0,012 in)

The data is based on typical values of standard production and should be considered as general information. Our company reserves the right to future changes. It is the responsibility of the user to ensure that the product complies with his requirements.