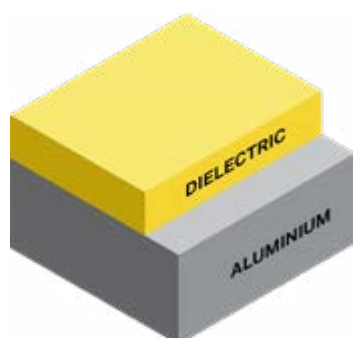


COBRITHERM ALP

Data Sheet DS_73

STANDARD CONSTRUCTION



ISOLATION thickness μm (in)
100 (4 mils)
Dielectric thickness tolerance
+/- 10 μm (+/- 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

*Other constructions available upon request

DESCRIPTION

Aluminum coated with thermal conductive polymeric resin cured. It is designed for a high dielectric strength and reliable thermal dissipation. ALP is conformable and light laminate (AL 150 μm).



UL Approved QMST2
QMST8 File: E47820
IPC-4101



RoHS 3 / REACH
Last updated compliance directive



PROPERTIES	VALUES	UNITS	TEST METHOD
Bow / Twist	0,5	%	-
Dielectric breakdown voltage, DC*	6	kV	IPC-TM 650-2.5.6.3
Thermal conductivity (dielectric layer)	3,2 (0,081) **	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)	180	°C	IPC-TM 650-2.4.24
Maximum operating temperature	150	°C	-
Shear strength	15	N/mm ²	-

(*) 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 guaranteed 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.