

Thermal Copper Clad Laminate, DS-7209A (Y)

Technical Data Sheet

Product Specification

Product Designation	DS-7209A (Y) 1/0 1.0T
ED Copper Foil	1 oz (35 um)
Other constructions available upon request	

Properties	Test Method	Units	Values
Glass transition temperature (by DSC)	IPC-TM-650 2.4.25	°C	130
Time to blister at 260°C, floating on solder (50×50mm)	IPC-TM-650 2.4.13	min	> 3
Peel strength (1oz Copper foil)	IPC-TM-650 2.4.9	kgf/cm	1.6
z-CTE (a1, before Tg)	IPC-TM-650 2.4.24.5	ppm/°C	45
z-CTE (a2, After Tg)	IPC-TM-650 2.4.24.5	ppm/°C	310
Comparative tracking index (CTI)	ASTM 3638	V	600
Flammability, according UL-94 Class	UL-94	Class	V-0
Water Absorption	IPC-TM-650 2.6.2.1	%	0.1
Insulation Resistance	JIS C 6481	MΩ	1.8 × 10 ⁸
Flexural Strength (Crosswise)	IPC-TM-650 2.4.4	MPa	350
Flexural Strength (Lengthwise)	IPC-TM-650 2.4.4	MPa	450
Thermal conductivity	ASTM E 1461	W/mK	1.0
Dielectric constant, 1GHz	IPC-TM-650 2.5.5.1	-	5.2
Dissipation factor, 1GHz	IPC-TM-650 2.5.5.1	-	0.016
Flammability Type	-	-	Halogen
Color	Visual	-	Yellow

Availability	
Standard sheet sizes mm.	1020 x 1220, 1035 x 1243, 1040 x 1240
Tolerance	+2/-0 mm.
Squareness	3 mm max, as differential between diagonal measurements
Standard size tolerance in panels	± 2 mm

* This data is based on typical values of standard production and should be considered as general information.