

Description: Aluminum based copper clad laminate

Application: PCB used for LED light, airplane fuel tank industrial power equipment, automotive, motorcycle ignition etc.

Technical Specification:

Item	Test Method	Test Condition	Unit	value		
				2001	2002	2003
Dielectric Layer Thickness			um	95-105	95-105	95-105
Peeling Strength	IPC-TM650 2.4.9	288°C 10s	N/mm	1.8	1.8	1.8
Dielectric Breakdown Voltage	IPC-TM650 2.5.6	AC	kV	≥ 2	≥ 2	≥ 2
Surface Resistance	IPC-TM650 2.5.17.1	C-96/25/65 1MHz	MΩ	1.0×10 ⁷	1.0×10 ⁷	1.0×10 ⁷
Volume Resistance	IPC-TM650 2.6.17.1	C-96/25/65 1MHz	MΩ·cm	4.0×10 ⁸	4.0×10 ⁸	4.0×10 ⁸
Dielectric Constant 1MHz	IPC-TM650 2.5.5.1	C-96/25/65 1MHz		<5.5	<5.5	<5.5
Dielectric Loss Tangent 1MHz	IPC-TM650 2.5.5.1	C-96/25/65 1MHz		<0.035	<0.035	<0.035
Thermal Resistance		No blistering, No delaminating	s	>60 (300°C)	>60 (300°C)	>60 (300°C)
Flammability	UL94	40/26/50		V-0	V-0	V-0
Thermal Conductivity including Dielectric Layer and Aluminum sheet	ASTM D5470	C-96/25/65	W/m·k	1.8	2.0	2.5
Glass Transition Temp (T _g)	IPC-TM650 2.4.25	DSC	°C	160	160	160