

DS-4001, DS-5000

ALUMINUM BASE COPPER CLAD LAMINATE

Features

- High heat dissipation
- Excellent thermal durability
- Good circuit workability

Applications

- Inverter, Converter
- PDP, LED, Regulator for TV
- Igniter, ECU, Voltage regulator
- Rectifier, Power supply



General Properties

Test Item	Unit	Test Method	DS-4001	DS-5000
Flammability	-	UL94	V-0	V-0
Solder Float (288°C)	sec	A	above 120	above 300
Solder Float (260°C)	min	A	above 20	above 30
Peel Strength (2 oz Cu)	kgf/cm	A	above 1.8	above 1.8
Thermal Conductivity	W/mK	A	0.4	2.0
Dielectric Breakdown Voltage	AC kV	A	above 3	above 3
Comparative Tracking Index	volt	IEC Method	600	600
Dielectric Constant	-	1MHz	4.1	5.5
	-	1GHz	3.8	5.2
Dissipation Factor	-	1MHz	0.018	0.016
	-	1GHz	0.019	0.016

Specimen thickness: Al 1.5 mm, Insulation layer 150μm, Cu 70μm (2 oz)