

# DST-5000

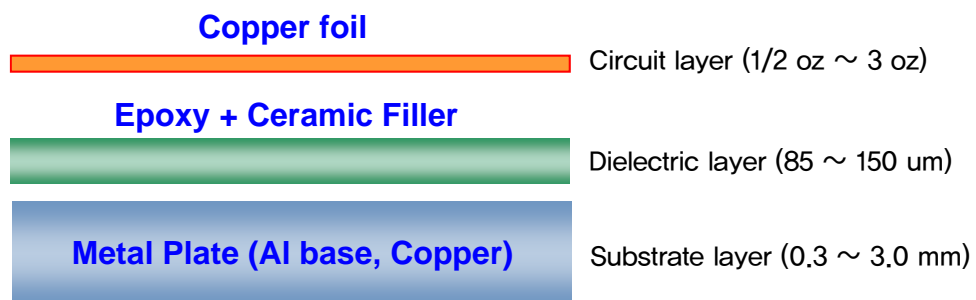
## High Thermal Conductive Metal Clad Laminate

### Features

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

### Applications

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



### General Properties

Test Item	Unit	Test Condition	DST-5000
Flammability	-	UL94	V-0
Solder Float(288℃)	sec	A	above 300
Solder Float(260℃)	min	A	above 30
Peel Strength (2 oz Cu)	kgf/cm	A	above 1.8
Thermal Conductivity	W/mK	A	2.0
Dielectric Breakdown Voltage	AC kV	A	above 3.0
Comparative Tracking Index	volt	IEC Method	600
Dielectric Constant	-	1MHz	5.5
		1GHz	5.2
Dissipation Factor	-	1MHz	0.016
		1GHz	0.016

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

# DSTF-5000

## High Thermal Conductive Build-up Material

### Features

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

### Applications

- LED, PDP, Regulator for TV
- Module
- Personal computer, notebook computer
- Cellular phone, A/V device, etc.

### Copper foil

 Circuit layer (1/3 oz ~ 3 oz)

### Epoxy + Ceramic Filler

 Dielectric layer (85 ~ 150 um)

### General Properties

Test Item	Unit	Test Condition	DSTF-5000
Flammability	-	UL94	V-0
Solder Float(288℃)	sec	A	above 300
Solder Float(260℃)	min	A	above 30
Peel Strength (1/2 oz Cu)	kgf/cm	A	above 1.2
Thermal Conductivity	W/mK	A	1.0
Dielectric Breakdown Voltage	AC kV	A	above 3.0
Comparative Tracking Index	volt	IEC Method	600
Dielectric Constant	-	1MHz	5.2
		1GHz	4.8
Dissipation Factor	-	1MHz	0.017
		1GHz	0.017

Specimen thickness: Insulation layer 150um, Cu 70um (1/2 oz)