



SAR20S AI Base CCL

Features

- Halogen-free and High CTI
- Excellent Heat Dissipation
- Superior Thermal Reliability and Insulation Reliability
- Excellent mechanical processability

Applications

- High-power LED Illumination
- Power Supply Board
- LED TV BLU

GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Typical Value
Thermal Stress	288℃, solder float	min	30
Peel Strength	288℃, 20s	N/mm	1.2
Dielectric Breakdown Voltage, AC	D-48/50+D-0.5/23	kV	4.0
Hi-pot Test	105℃/1h,60s,AC	V	3000
Thermal Conductivity (Dielectric Layer)	ASTM D5470	W/m · K	2.0
Volume Resistivity	After Moisture Resistance	MΩ · cm	1.11X10 ⁶
CTI	IEC60112 Method	V	600
Flammability	UL 94	class	V-0
Glass Transition Temperature(Tg)	DSC	℃	95
Decomposition Temperature(Td)	TGA ,5%Wt. loss	℃	420
Halogen Content	EN 14582:2007	ppm	Cl, Br≤900
			Cl +Br≤1500

* Typical Value is based on specimen of 1.5mm Al / 100 μm dielectric/1 OZ Cu

* The Value shown above is the Typical Value, but not the Guaranteed Value.