

DS-7209A

[ANSI : CEM-3] High CTI

Features

- High CTI Value (above 600V)
- Process similar to FR-4 including PTH
- Punching process applicable

Applications

- Test & Measurement equipment, Tuner
- Car electronics, Power supply, etc.,

General Properties

Test Item	Unit	Test Condition	Property
Tg	°C	DSC TMA	135 130
CTE x-axis y-axis z-axis	ppm/°C	Ambient to Tg	20 16 55
Flammability	-	UL-94	V-0
Insulation Resistance	ohm	C-96/20/65 C-96/20/65+D-2/100	$1 \times 10^{12} - 1 \times 10^{13}$ $1 \times 10^{10} - 1 \times 10^{11}$
Volume Resistivity	ohm-cm	C-96/20/65 C-96/20/65+C-96/40/90	$1 \times 10^{14} - 1 \times 10^{15}$ $5 \times 10^{13} - 5 \times 10^{14}$
Surface Resistance	ohm	C-96/20/65 C-96/20/65+C-96/40/90	$5 \times 10^{12} - 5 \times 10^{14}$ $1 \times 10^{12} - 1 \times 10^{13}$
Arc Resistance	min. sec		110
Dielectric Constant (1MHz)	-	C-96/20/65 C-96/20/65+D-48/50	4.3 - 4.7 4.3 - 5.0
Dissipation Factor (1MHz)	-	C-96/20/65 C-96/20/65+D-48/50	0.015 - 0.020 0.018 - 0.023
Comparative Tracking Index	volt	IEC Method	600
Solder Float (260°C)	sec	A	above 120
Peel Strength	Cu.foil 1oz (0.035mm) kg/cm	A	1.5 - 1.8
Flexural Strength	kgf/mm ²	A	30 - 40
Water Absorption	%	E-24/50+D-24/23	0.10 - 0.15

Specimen Thickness : 1.6mm