



Q100C

(UL ANSI: FR-4.0) UV Blocking

FEATURES

- UV Blocking/AOI Compatible

APPLICATIONS

Computer, Instrumentation, VCR, Communication equipment, Consumption electronics, Game machine.
For applications with CAF requirements, recommend customer to carry a systematic assessment of its reliability.

GENERAL PROPERTIES

Test Items	Test Method	Test Condition	Unit	Typical Value
Tg	IPC-TM-650 2.4.25D	DSC	°C	140
Td	IPC-TM-650 2.4.24.6	TGA (5% W.L)	°C	330
T260	IPC-TM-650 2.4.24.1	TMA	min	25
Thermal Stress	IPC-TM-650 2.4.13.1	288°C, solder dip	s	80
CTE (Z-axis)	IPC-TM-650 2.4.24	Before Tg	ppm/°C	60
	IPC-TM-650 2.4.24	After Tg	ppm/°C	260
	IPC-TM-650 2.4.24	50-260°C	%	3.5
Permittivity (1MHz)	IPC-TM-650 2.5.5.9	C-24/23/50	-	5.0
Loss Tangent (1MHz)	IPC-TM-650 2.5.5.9	C-24/23/50	-	0.012
Volume Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ-cm	5.1×10 ⁸
		E-24/125		5.3×10 ⁶
Surface Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ	5.5×10 ⁷
		E-24/125		5.7×10 ⁶
Arc Resistance	IPC-TM-650 2.5.1	D-48/50+D-0.5/23	s	120
Dielectric Breakdown	IPC-TM-650 2.5.6	D-48/50+D-0.5/23	kV	>45
Peel Strength (1oz)	IPC-TM-650 2.4.8	288°C/10s	N/mm	1.3 [7.14]
Flexural Strength (LW/CW)	IPC-TM-650 2.4.4	A	MPa	550/450
Water Absorption	IPC-TM-650 2.6.2.1	D-24/23	%	0.10
Flammability	UL94	C-48/23/50	Rating	V-0
CTI	IEC 60112	A	Rating	PLC3

- Remarks:
1. Specification sheet: IPC-4101/97, is for your reference only.
 2. All the typical value is based on the 1.6mm (8*7628) specimen.
 3. All the typical value listed above is for your reference only, please turn to Shengyi Technology Co., Ltd for detailed information, and all rights from this data sheet are reserved by Shengyi Technology Co., Ltd

PURCHASING INFORMATION

Thickness	Copper foil	Standard size
0.50mm to 3.2mm	12um to 105 um	1,020mm×1,220mm(40"×48") 915mm×1,220mm(36"×48") 1,070mm×1,220mm(42"×48")

Remarks: Other sheet size and thickness could be available upon request.