



S7045GHU

Halogen-free, High Reliability & Mid Loss Material

FEATURES

- High Tg, 180℃ (DSC)
- Halogen-free
- Black color, 94-V0

APPLICATIONS

- Server, Base station, Switch
- Line cards, etc

GENERAL PROPERTIES

Test Items	Test Method	Test Condition	Unit	Typical value
Tg	IPC-TM-650 2.4.24.4	DMA	℃	190
	IPC-TM-650 2.4.25D	DSC	℃	180
Td	IPC-TM-650 2.4.24.6	5% wt.loss	℃	415
T288	IPC-TM-650 2.4.24.1	TMA	min	>60
T300	IPC-TM-650 2.4.24.1	TMA	min	>60
Thermal Stress	IPC-TM-650 2.4.13.1	288℃, solder dipping	--	PASS
CTE (z-axis)	IPC-TM-650 2.4.24	Before Tg	ppm/℃	35
	IPC-TM-650 2.4.24	After Tg	ppm/℃	245
	IPC-TM-650 2.4.24	50-260℃	%	2.3
Dk	IPC-TM-650 2.5.9	1GHz	-	4.15
	IEC61189-2-721 SPDR	10GHz	-	4.43
Df	IPC-TM-650 2.5.9	1GHz	-	0.010
	IEC61189-2-721 SPDR	10GHz	-	0.0135
Volume Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ • cm	1.8E+07
Surface Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ	3.8E+07
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℃/10s	N/mm	0.95
Water Absorption	IPC-TM-650 2.6.2.1	D-24/23	%	0.12
Flammability	UL 94	C-48/23/50	Rating	V-0 (HF)

Remarks:

All the typical value is based on the 0.76 (6*2116) specimen, but not guarantee data. All the typical values listed above are for your reference only and not intended for specification. Please contact Shengyi Technology Co., Ltd. for detailed information. All rights from this data sheet are reserved by Shengyi Technology Co., Ltd.