

SCGA-500 GF300

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Dielectric Constant, Dk (@10GHz)	IPC-TM650 2.5.5.5	-	3.00±0.04
Dissipation Factor, Df (@10GHz)	IPC-TM650 2.5.5.5	-	0.0023
Passive Inter-Modulation, PIM	Summitek 1900b PIM Analyzer	dBc	-163
Thermal Expansion, CTE - X	IPC-TM650 2.4.24	PPM/	6.2
Thermal Expansion, CTE - Y	IPC-TM650 2.4.24	PPM/	8.6
Thermal Expansion, CTE - Z	IPC-TM650 2.4.24	PPM/	95
Peel Strength	IPC-TM650 2.4.8	N/mm	1.2
Water Absorption	IPC-TM650 2.6.2.1	%	0.01
Density	ASTM D-792	g/cm ³	2.27
Thermal Conductivity	ASTM C518	W/m.K	0.28
Surface Resistivity	IPC-TM650 2.5.17.1	Ω	10 14
Volume Resistivity	IPC-TM650 2.5.17.1	Ω•mm	10 14
Tensile Modulus (filling)	IPC-TM650 2.4.4	GPa	8.8
Tensile Strength (filling)	IPC-TM650 2.4.4	MPa	279
Tensile Modulus (warp)	IPC-TM650 2.4.4	GPa	7.9
Tensile Strength (warp)	IPC-TM650 2.4.4	MPa	254
Flammability	UL-94	V-0	V-0