

SCGA-500 GF220

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Dielectric Constant, Dk (@10GHz)	IPC-TM650 2.5.5.5	-	2.20±0.02
Dissipation Factor, Df (@10GHz)	IPC-TM650 2.5.5.5	-	0.0009
Passive Inter-Modulation, PIM	Summitek 1900b PIM Analyzer	dBc	-163
Thermal Expansion, CTE - X	IPC-TM650 2.4.24	PPM/	41
Thermal Expansion, CTE - Y	IPC-TM650 2.4.24	PPM/	30
Thermal Expansion, CTE - Z	IPC-TM650 2.4.24	PPM/	217
Peel Strength	IPC-TM650 2.4.8	N/mm	1.2
Water Absorption	IPC-TM650 2.6.2.1	%	0.007
Density	ASTM D-792	g/cm ³	2.18
Thermal Conductivity	ASTM C518	W/m.K	0.27
Surface Resistivity	IPC-TM650 2.5.17.1	Ω	1013
Volume Resistivity	IPC-TM650 2.5.17.1	Ω•mm	1014
Tensile Modulus (filling)	IPC-TM650 2.4.4	GPa	2.6
Tensile Strength (filling)	IPC-TM650 2.4.4	MPa	76
Tensile Modulus (warp)	IPC-TM650 2.4.4	GPa	1.9
Tensile Strength (warp)	IPC-TM650 2.4.4	MPa	60
Flammability	UL-94	V-0	V-0