

SCGA-500 GF265(255)

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Dielectric Constant, Dk (@10GHz)	IPC-TM650 2.5.5.5	-	2.55±0.04
Dissipation Factor, Df (@10GHz)	IPC-TM650 2.5.5.5	-	0.0014
Passive Inter-Modulation, PIM	Summitek 1900b PIM Analyzer	dBc	-163
Thermal Expansion, CTE - X	IPC-TM650 2.4.24	PPM/	8.2
Thermal Expansion, CTE - Y	IPC-TM650 2.4.24	PPM/	7.9
Thermal Expansion, CTE - Z	IPC-TM650 2.4.24	PPM/	145
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	2.25
Thermal Conductivity	ASTM C518	W/m.K	0.29
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	7.8
Tensile Strength (filling)	IPC-TM650 2.4.4	MPa	214
Tensile Modulus (warp)	IPC-TM650 2.4.4	GPa	1.2
Tensile Strength (warp)	IPC-TM650 2.4.4	MPa	64
Flammability	UL-94	V-0	V-0