

GE 214[®] Quartz		214
Type		Fused Quartz
Color		Clear
Principal Use		High temperature
Thermal Expansion 10^{-7} cm/cm/°C	20 - 320°C.	5.5
Thermal Conductivity	W/m .°C	1.4
Specific Heat	J/kg °C	670
Softening Point	°C	1683
Annealing Point	°C	1215
Strain Point	°C	1120
Design Tensile Strength (4.8×10^7 Pa)		7000 psi
Design Compression Strength (greater than 1.1×10^9 Pa)		160,000 psi
Hardness	5.5-6.5 Moh's Scale 570 KHN 100	
Density kg/m ³		2.2
Young's Modulus (10.5×10)		6 psi
Constringency	(Nu)	67.56
Velocity of Sound-Shear Wave		3.7 x 10³ m/s
Velocity of Sound/Compression Wave		5.9 x 10³ m/s
Sonic Attenuation	db/m MHz	<11
Dielectric Properties (1 MHz 20°C)	Strength	5x10x7V/m
	Dielectric constant	3.75
	Loss factor	<4x10⁻⁴
Refractive index		1.4585