

## TECHNICAL INFORMATION

### Thin Film Alkali-free Borosilicate Glass

Characteristics	Unit	Value
Dielectric Constant @1MHz, 25°C	-	6.2
Dielectric Loss Index @ 1MHz, 25°C	-	$9 \times 10^{-4}$
Electrical Resistivity for A.C. 250°C (350°C)	Ohmcm	$6.0 \times 10^{13}$ ( $3.2 \times 10^{11}$ )
Density	g/cm <sup>3</sup>	2.72
Knoop-Hardness	-	555
Young's Modulus	kN/mm <sup>2</sup>	66.0
Torsion Modulus	kN/mm <sup>2</sup>	26.7
Poisson's Ratio	-	0.235
Coefficient of Linear Thermal Expansion @ 20-300°C	$10^{-6}/K$	4.5
Thermal Conductivity @ 20°C (100°C)	W/mK	
Specific Heat Capacity		
Refractive Indices @ 20°C, 546nm	-	1.53
Thickness Possibilities	mm	0.3, 0.4, 0.55, 0.7, 0.9, 1.1