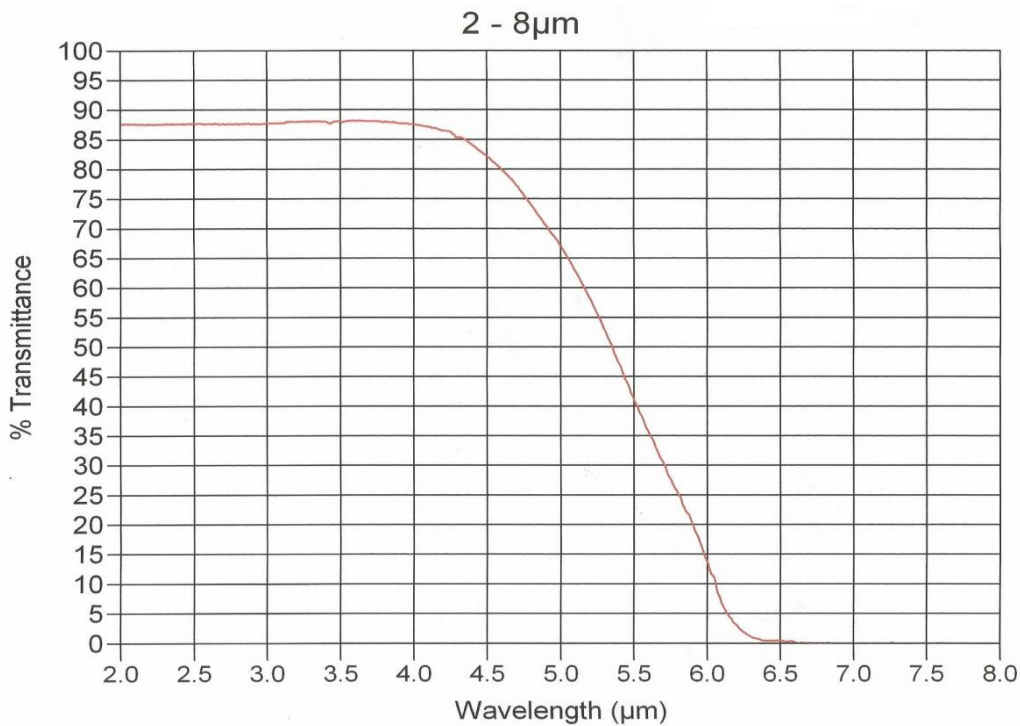
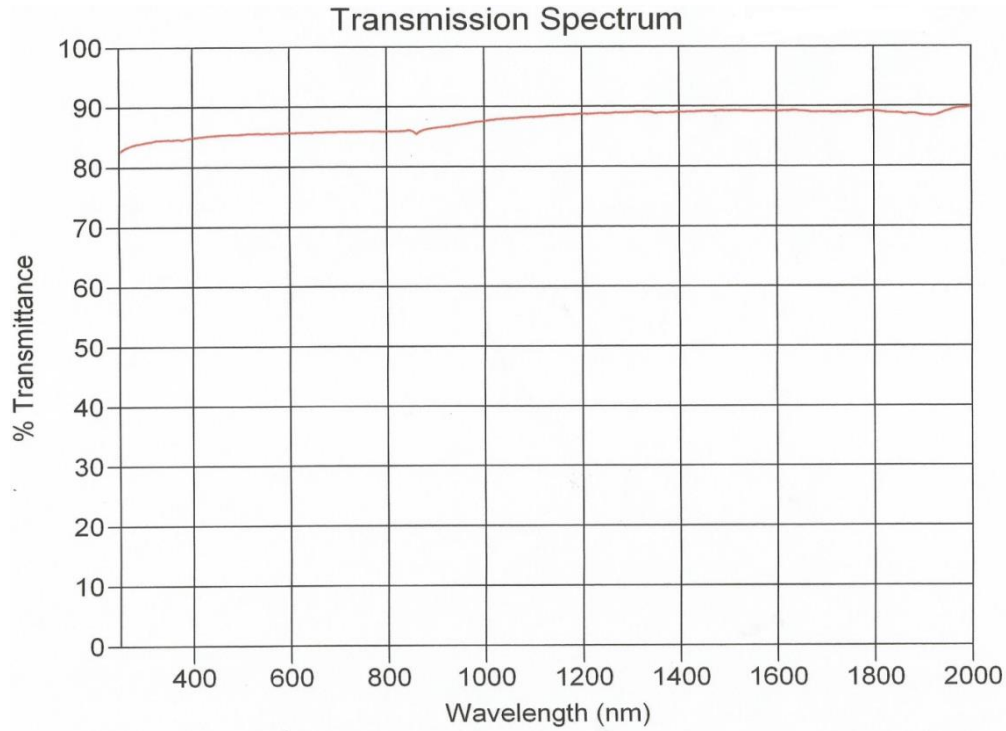


**DATA SHEET**

**Sapphire 'C' Axis 3mm thick**

Typical Transmission 3mm thick



## DATA SHEET

## Sapphire 'C' Axis 3mm thick

### SPECIFICATION

General	Chemical Formula	Al <sub>2</sub> O <sub>3</sub> (>99.996%)
	Growing Method	HEM
Thermal	Melting Temperature	2040°C
	Coefficient of Thermal Expansion	5.8x10-6/°C
	Thermal Conductivity	25.12W/m/k (@100°C)
Optical	Refractive Index	No = 1.768 Ne = 1.76
Mechanical	Density	3.97 g/cm <sup>3</sup>
	Hardness	Mohs:9
	Tensile Strength	40,000-60,000psi
	Flexural Strength	70,000-130,000psi
	Compressive Strength	2.0 GPa
	Sheer Modulus	21.5x10 <sup>6</sup> psi
Transitivity	0.3~5µm	T=80%