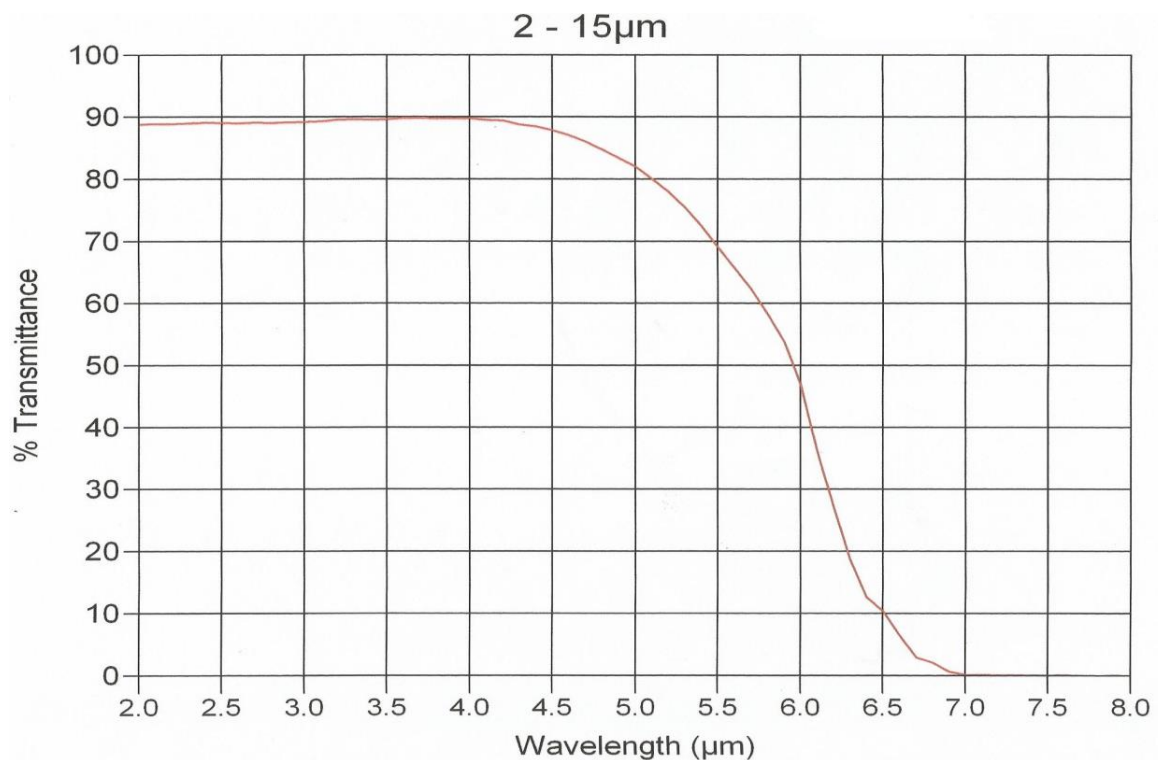
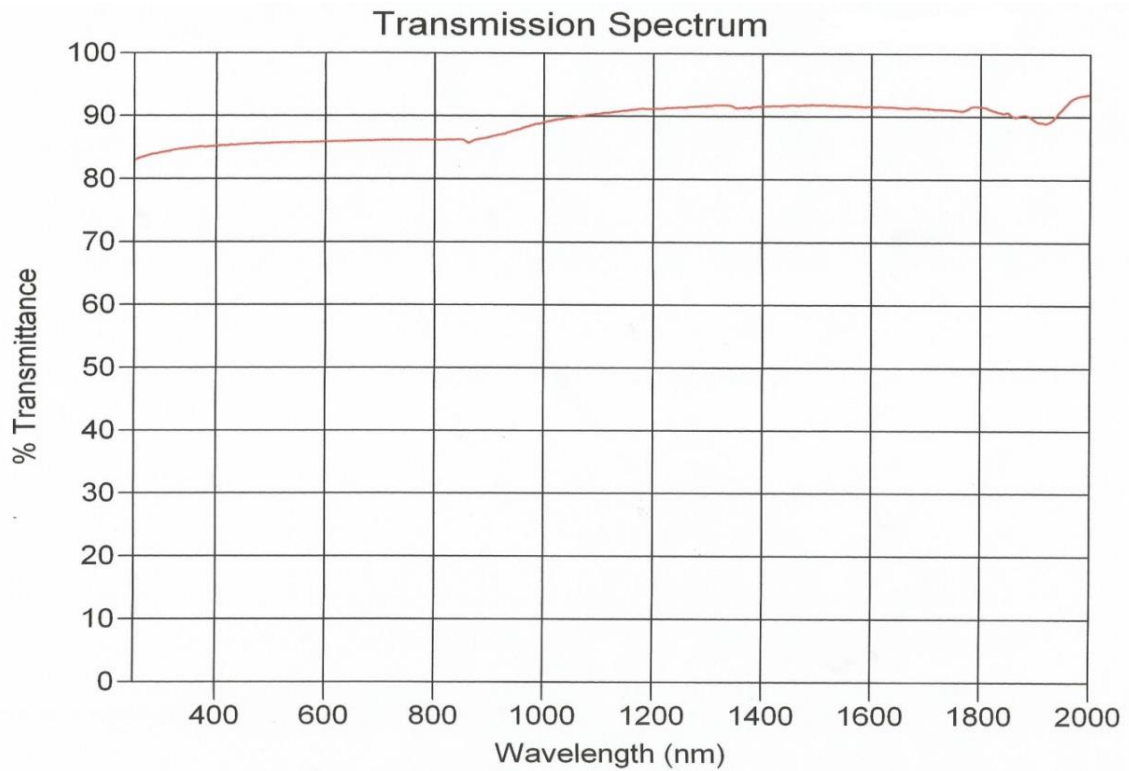


DATA SHEET

Sapphire 'C' Axis 1mm thick

Typical Transmission 1mm thick



DATA SHEET

Sapphire 'C' Axis 1mm thick

SPECIFICATION

General	Chemical Formula	Al ₂ O ₃ (>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 ³
	Hardness	Mohs:9
	Tensile Strength	40,000-60,000psi
	Flexural Strength	70,000-130,000psi
	Compressive Strength	2.0 GPa
	Sheer Modulus	21.5x10 ⁶ psi
Transitivity	0.3~5μm	T=80%