

TF625-350-2-12-BR1

Device:	AO Tunable Filter
Interaction Medium:	TeO ₂ (Anisotropic)
Active Aperture:	12 x12mm
Length of AO Cell:	41.5 (in optical direction)
Wavelength Range:	450nm < λ < 800nm
RF Tuning Range:	Refer to Fig 1
Resolution (FWHM):	< 3nm @ 500nm ($\Delta\lambda = 1.5\text{nm}$ typical)
Polarisation:	Polarisation sensitive Incident Polarisation: Linear – Vertical wrt to base (up-shift)
Polarisation of diffracted order:	Linear – Orthogonal to input
Beam Separation:	$\geq 4.5^\circ$
Nominal Input Impedance:	50 Ω
VSWR:	< 3:1
RF Connection:	SMA Female
Cooling:	Conduction through base
RF Drive Power:	< 0.5W typical (wavelength dependent)
Maximum permitted Drive Power:	5W
Housing:	Refer to Fig 2



