

## TF1300-900-11-8-NO1

Device:	AO Tunable Filter
Interaction Medium:	TeO <sub>2</sub> (Anisotropic)
Active Aperture:	11mm × 12mm (> 12mm in acoustic direction)
Wavelength Range:	900nm - 1.7μm
RF Tuning Range:	Refer to Fig 1
Resolution (FWHM):	$\Delta\lambda \sim 8\text{nm} @ 1300\text{nm}$
Polarisation:	Polarisation sensitive
Incident Polarisation:	Linear – Vertical wrt to base
Polarisation of diffracted order:	Linear – Orthogonal to input
Pointing-Stability of diffracted order:	$< \pm 0.01^\circ$
Beam Separation:	Refer to Fig 3 & Fig 5
Field of View (in plane of diffraction):	$\pm 2^\circ$ (refer to Fig 4)
RF Input Impedance:	50Ω
RF Connection:	SMA Female
Recommended Max Drive Power:	5W
Housing:	Refer to Fig 6







