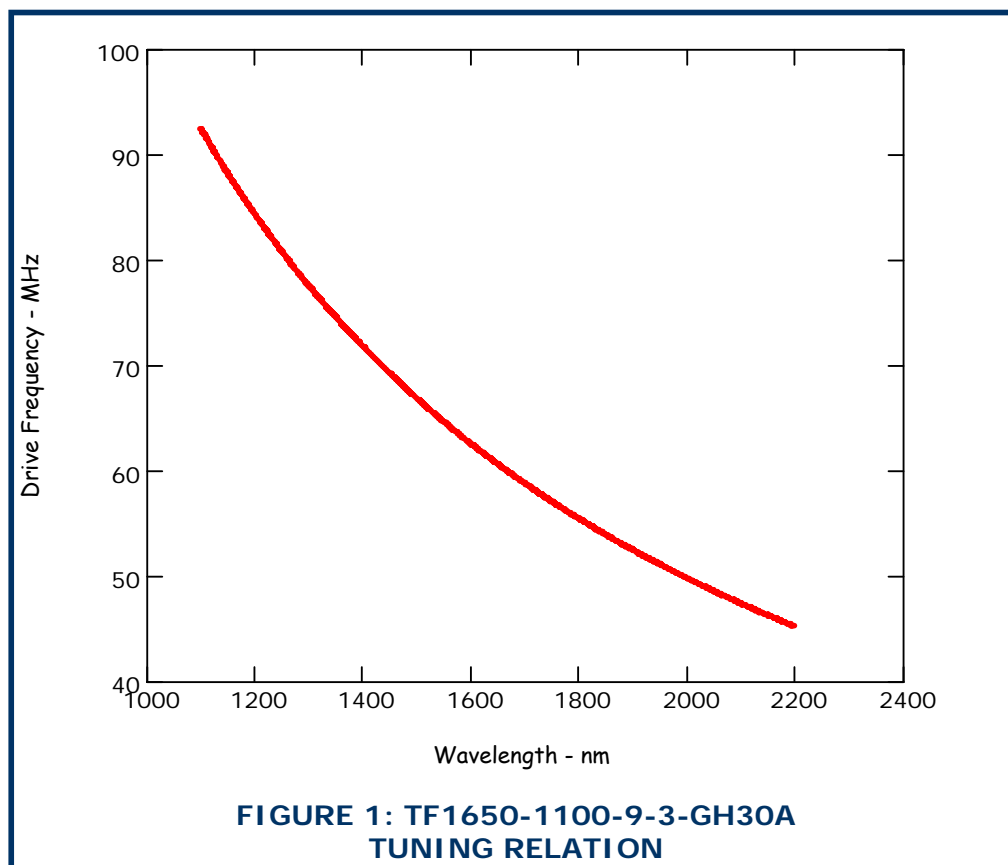
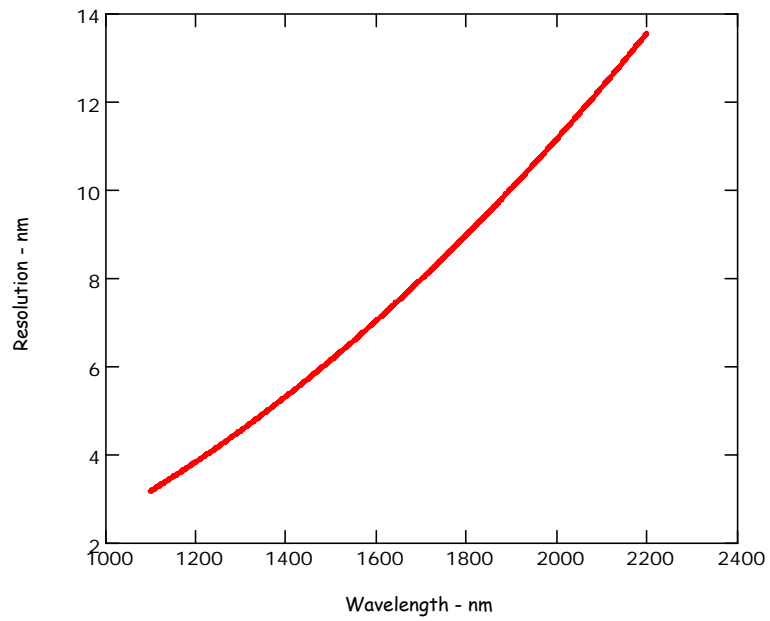


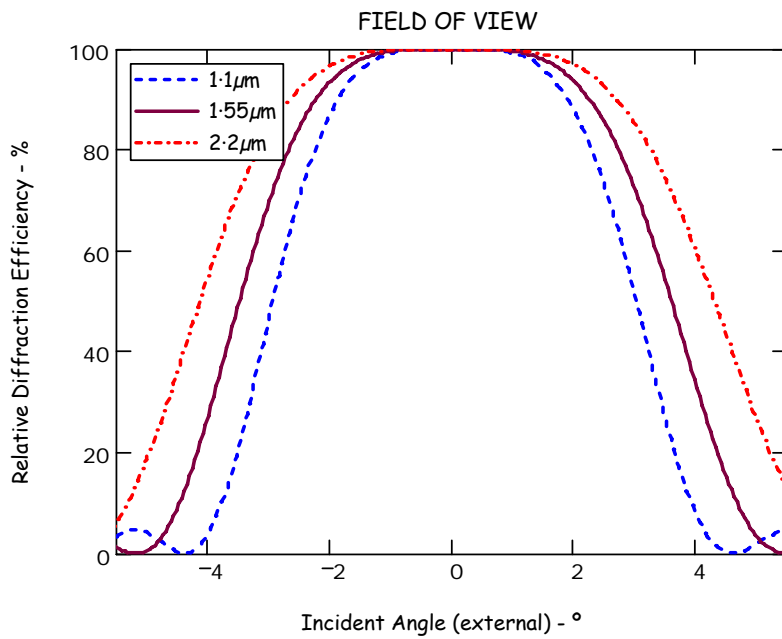
## TF1650-1100-9-3-GH30A

Device:	AO Tunable Filter with Side-Lobe Reduction
Interaction Medium:	TeO <sub>2</sub> (Anisotropic)
Active Aperture:	3mm
Wavelength Range:	1100nm < $\lambda$ < 2200nm
RF Tuning Range:	Refer to Fig 1
Resolution (FWHM):	Refer to Fig 2
Polarisation:	Polarisation sensitive
Incident Polarisation:	Linear – Vertical wrt to base
Polarisation of diffracted order:	Linear – Orthogonal to input
Pointing-Stability of diffracted order:	< $\pm 0.01^\circ$
Field of View:	$\pm 3^\circ$ (refer to Fig3)
Beam Separation:	> $6^\circ$ (refer to Fig4)
RF Input Impedance:	50 $\Omega$
RF Connection:	SMA Female
Maximum RF Power:	2.5W
Cooling:	Conduction through base
Housing:	TBD





**FIGURE 2: TF1650-1100-9-3-GH30A RESOLUTION (approx)**



**FIGURE 3: TF1650-1100-9-3-GH30A ACCEPTANCE ANGLE (approx)**

