

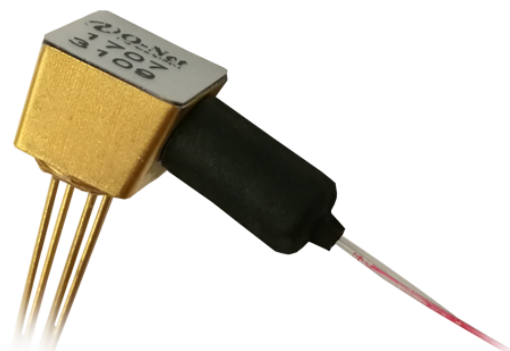
MEMS Compact Tunable Filter

Features

- Athermal design
- Fast tuning speed
- Wide tuning range
- Low insertion loss
- Low power consumption
- High durability
- Integrated with VOA function in smaller form

Applications

- Optical channel performance monitoring
- ROADM
- Optical signal noise suppression
- Spectrum selection



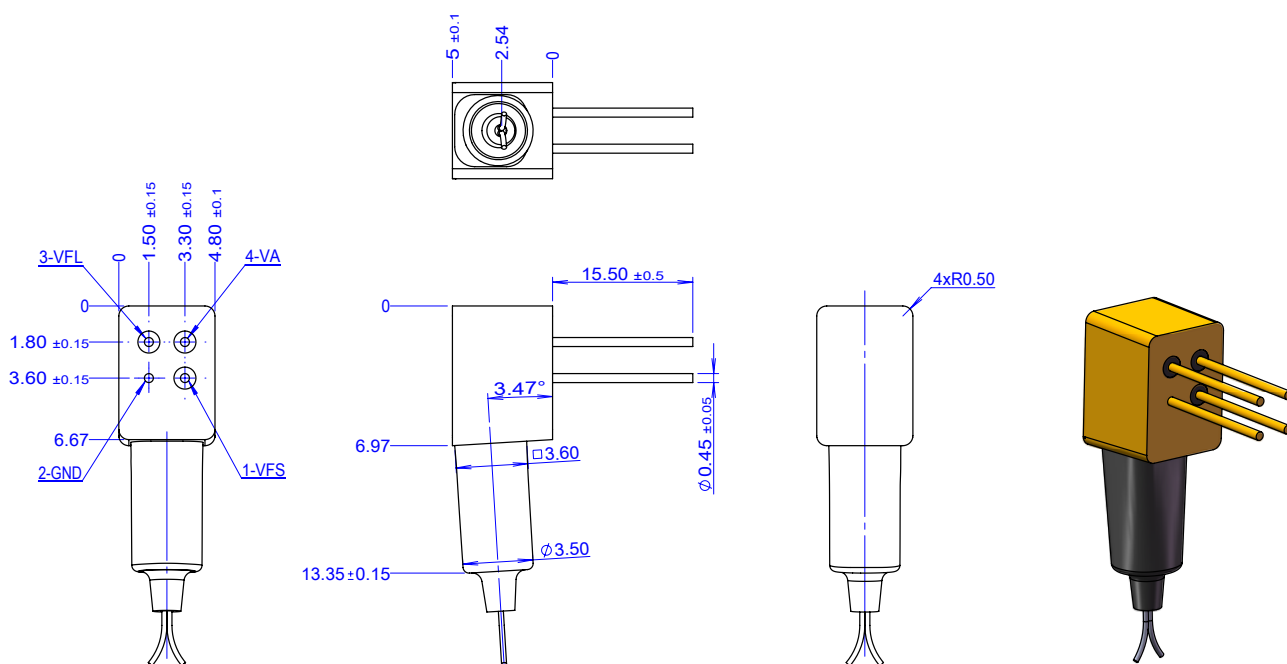
Main Specifications

Parameter	Max	Min	Specification	Unit
Wavelength Range			1527.77~1569.36	nm
			191.03~196.23	THz
Insertion Loss	√		3.5	dB
Tuning Speed	√		20	ms
WDL@0dB	√		1.2	dB
PDL@ Center Frequency@0dB	√		0.5	dB
BW@3dB			125 ~ 175	GHz
BW@20dB			325 ~ 455	GHz
Return Loss		√	27	dB
VOA Type			Dark or Bright	
VOA Attenuation Range		√	35	dB
Side-Peak Suppression Ratio		√	30	dB



Parameter	Max	Min	Specification	Unit
Durability		√	1E9	cycles
Maximum Input Power Handling		√	20	dBm
Operating Temperature Range			-5~70	°C
Operating Relative Humidity Range			5~85	%
Storage Temperature Range			-40~85	°C
Storage Relative Humidity Range			5~85	%
ESD Threshold (HBM)		√	500	V
DC Drive Voltage			0~43	V
Power Consumption	√		160	μW
Fiber Type			250μm SMF fiber	

Mechanical Dimensions



Order Information

- The above specifications represent the typical performance of an O-Net TF_VOA of this category.
- Please contact our Sales to discuss your specific requirements.