

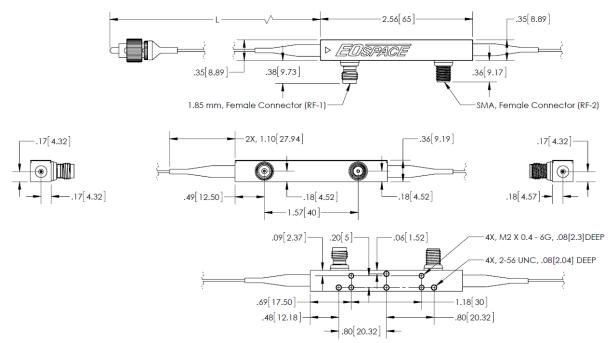
## 1550nm Ultra-Broadband X-cut Lithium Niobate Intensity Modulator with extended frequency operation to ~65GHz



1550nm Ultra-Broadband X-cut Lithium Niobate Intensity Modulator with extended frequency operation to ~65GHz

- Operating Wavelength: 1550nm
- Insertion loss: ~ 4.0 4.5 dB (typical); < 5 dB (max)
- Modulation Port V $\pi$  (@1 GHz): ~ 4.5 V (typical): < 5.0 V (max)
- 3dB response  $\sim 25-30$  GHz, with extended frequency operation to 65GHz ( $\sim 6dB$ ) with no sharp response dips
- Optical Null Depth (@DC) (Channel Crosstalk): > 18-20 dB
- S11 (0.13 to 20 GHz): < -10 dB
- Optical Return Loss: > 40 dB
- Package Dimensions: 65x8.9x9.2mm<sup>3</sup> (Small Form Factor)
- RF Connector: female 1.85mm (or V-connector)
- DC bias port: female SMA
- Input Fiber: PM, ~1 meter long (900um loose tube)
- Output Fiber: PM, ~1 meter long (900um loose tube)
- Optical Connectors: FC/APC (slow axis aligned to the narrow key)

## Drawing (mm) :



AX-0MVS-65 (141014)