

1550nm Ultra-Broadband X-cut Lithium Niobate Intensity Modulator with extended frequency operation to ~60GHz

AX-0MVS-60-PFA-PFA-SCA522

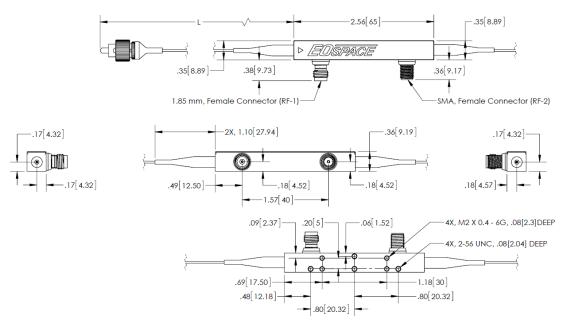


1550nm Ultra-Broadband X-cut Lithium Niobate Intensity Modulator with extended frequency operation to ~60GHz

- Operating Wavelength: 1550nm
- Insertion loss: ~ 4.0 4.5 dB (typical), < 5dB (max)
- Modulation Port $V\pi$ (@1 GHz): ~ 5 V (lower Vpi version available)
- Large Bandwidth: ~30-35GHz (usable frequency response to **60**GHz with no sharp response dips) RF response may be down to ~5-6 dB @ ~60 GHz
- Optical Null Depth (@DC): > 18 dB
- S11 (0.13 to 20 GHz): < -10 dB
- Optical Return Loss: > 40 dB
- Package Dimensions: 65x9.2x9.2mm³ (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

-SCA522→ Special Specs, May (=5), 2022

Drawing (mm):



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