



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

AX-0MVS-65-PFA-PFA-LV



Low Vpi 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_{π} (@1 GHz): ~ 4 V (typical); < 4.3 V (max) (-LV version)
- 3dB response ~25-30 GHz, with extended frequency operation to 65GHz (~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: 65x8.9x9.2mm³ (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 key)

Drawing (mm) :

