



## 1310nm Ultra-Broadband X-cut Lithium Niobate Intensity Modulator with extended frequency operation to ~65GHz

AX-0MVS-65-PF A-PF A-1310nm



1310nm Ultra-Broadband X-cut Lithium Niobate Intensity Modulator with extended frequency operation to ~65GHz

- Operating Wavelength: 1310nm
- Insertion loss: ~ 4.5 dB (typical), < 5dB (max)
- Modulation Port  $V\pi$  (@1 GHz): ~ 4.5 V
- Large Bandwidth: ~30-35GHz (usable frequency response to 65GHz 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: 65x9.2x9.2mm<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

**Drawing (mm) :**

