

Phase Modulators

Key Specifications

	Ultra-Low Vpi	Ultra-Low Loss
Insertion Loss	< 4 dB (<3 opt)	< 3 dB (<2 opt)
3 dB Bandwidth	>10, >20-30 GHz	>10, >20-30 GHz
Modulation Port Vpi (@ 1 GHz)	< 3 volts	< 5 volts
S11	< -10 dB	
Optical Return Loss	> 50 dB	
Package Dimensions	3.48" x 0.35" x 0.35" (88.4 x 8.9 x 8.9 mm ³)	
RF Connector	female K (<20 GHz), female V (20-40 GHz)	
Operating Wavelength	1.55 micron (C- and L-band) (0.7, 0.85, 0.98, 1.06, 1.3, 1.7, 2.0+micron available)	
Input Fiber	PM	
Output Fiber	SM or PM	
Optical Connectors	FC/UPC standard (FC/APC & others available)	
Options	Ultra-low insertion loss Custom ultra-low Vpi Integrated polarizer Integrated attenuator (VOA) Polarization scrambler	