



## MIOC-1550-SB

SPECIFICATIONS	Operating Wavelength	1550 ± 20 nm	
GENERAL	Pigtailed Insertion Loss	≤ 3.5 dB; 3.0 dB available	
	Split Ratio	50 ± 5%	
	Half-wave Phase Modulation Voltage, V $\pi$	4 V	
	Polarization Extinction Ratio	≥ 60 dB	
	PM Pigtail Crosstalk	≤ -20 dB	
	Intensity Modulation	≤ 0.1%	
	Electrode Type	Push-pull	
	Pigtail Compatibility	80µm Clad	
	Operating Temperature	-45 °C to +70 °C	

MECHANICAL

Dimensions	1.75 mm x 7 mm x 26 mm	
Electrode	Gold Plated	
Substrate Material	LiNb03	
Crystal Orientation	X-cut, Y-propagation	
Waveguide Process	Proton Exchange	

Sample Test Data			
	Input Port	Output Port 1	Output Port 2
Extinction Ratio -5°C (dB)	31.3	24.3	28
Extinction Ratio -25°C (dB)	33.1	26.2	30.8
Extinction Ratio -25°C (dB)	31.0	24.5	27.8
Coupling Ratio (%)	N/A	50.0	50.0
$\forall \pi (\forall)$		< 4.5 V	
Insertion Loss		3.7	



