

MXIQER-LN-30-PD-P-P

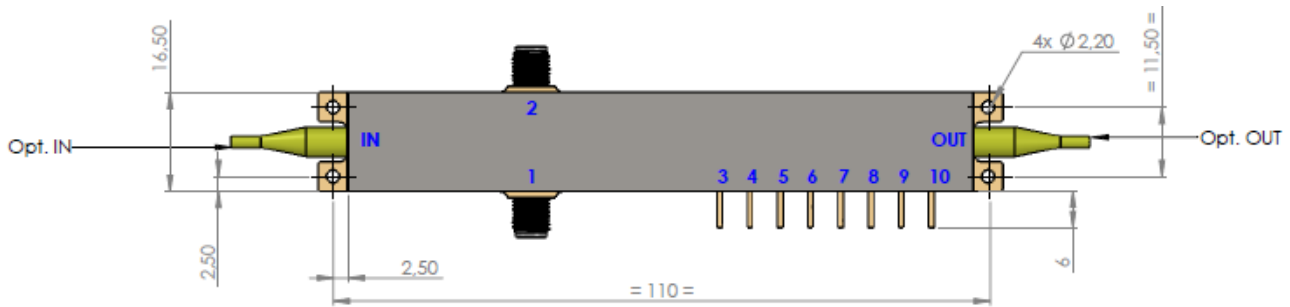
Specifications

All specifications given at 25°C, 1550 nm, unless differently specified

ELECTRICAL				
		Min	Typ.	Max
Electro-Optic Bandwidth S ₂₁ RF1 & RF2 (-3dB) from 2 GHz	GHz	-	25	-
Ripple	dB	-	0.5	-
Electrical return loss S ₁₁ 0-20 GHz	dB	-	-12	-
V _π RF electrodes @ 50 kHz (input RF1 & RF2)	V	-	6	-
V _π DC electrodes (Input DC1 & DC2)	V	-	6.5	-
V _π /2 DC electrodes (Input DC3)	V	-	8	-
RF port impedance matching	Ω	-	50	-
DC port input resistance	MΩ	-	1	-
OPTICAL				
Crystal	Lithium Niobate X-Cut Y-Prop			
Waveguide process	Ti diffusion			
Wavelength of operation	nm	1530	1550	1580
Insertion loss (without connector)	dB	-	5	-
Static extinction ratio (sub-MZ1 & sub-MZ2)	dB	-	30	-
Carrier attenuation	dB	-	40	-
Side band attenuation	dB	-	40	-
Optical return loss	dB	-	-45	-
INTERFACES				
Input / Output fibers	Polarization maintaining 1550 nm - Corning PM 15-U25D length : 1.5 meter, buffer diameter : 900 um			
Package size	105 x 16.5 x 9.65 mm ³			
Input RF connector	Female K			
DC electrodes and PD* connectors	pins			
Optical connectors orientation	Slow axis parallel to connector key			
MAXIMUM RATINGS				
		Min	Typ.	Max
Maximum RF input power		+28 dBm		
Bias voltage range	V	-20	-	20
Maximum optical input power		+20 dBm		



Mechanical drawing



Single Side Band with Carrier suppressed

DC1 and DC2 at the MIN biasing point (no filter added)

