



MIOC-1550-22-SB

ABSOLUTE MAXIMUM RATING (Tc = $25 \degree C$ unless otherwise specified)

Parameter	Symbol	Conditions	Min	Max	Unit
Optical Input Power	OP _{in}	CW		100	mW
Drive Voltage	V _{in}	CW or Pulse	-25	+25	V
Operation Case Temperature	Τ _c		-45	75	С°
Storage Temperature	T _{st}		-45	85	С°

GENERAL SPECIFICATIONS at Room Temperature (Tc = $25 \degree C$)

Parameter	Symbol	Unit	P Grade	A Grade	B Grade
Operating Wavelength	λ	nm	1	520 ~ 1570	
Insertion Loss	IL	dB	≤ 2.5	≤ 3.0	≤ 3.5
Splitting Ratio	SR	%	50 ± 2	50 ± 3	50 ± 5
Half Wave Voltage	Vpi	V	≤ 4.0	≤ 4.1	≤ 4.3
Chip Polarization Extinction Ratio	PER	dB		≥ 60	
Residual Intensity Modulator	RIM	%	≤ 0.1	≤ 0.1	≤ 0.2
Chip Length	L	mm	1	18.0 +/- 0.1	
Waveguide Separation Distance	G	μm		400 +/- 1	
End facet Polish Angle	α	degree		10 +/- 0.3	

Ordering Option:

optilob

MIOC-1550-LL-FF-G-XX-YY-ZZ

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LL: Chip Length -18: 18 mm -22: 22 mm	FF: Form Factor -BC: Bare chip -SB: Bare chip on submount -SP: Fiber pigtailed w/ submount -PG: Packaged	G: Grade -P: Premium grade -A: A grade -B: B grade	XX: Input Fiber YY: Output Fiber #1 ZZ: Output Fiber #2 For each fiber: First digit: Fiber Type
			Second digit: Alignment direction
	Fiber Type -0: No fib -1: Cornin -2: Cornin	e Option: er pigtail g RCPM15, 80/165 μm g PM15-U25D, 125/250 μm	Fiber Alignment Direction Option: -0: Not applicable -1: Slow axis aligned to TE mode -2: Fast axis aligned to TE mode -3: 45° alignment