



DFB-CWDM-PM

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SPECIFICATIONS	Threshold Current	8 mA typ., 15 mA max.
	Operating Current	100 mA max.
	Analog Bandwidth	2.5 GHz typ. 30 mA
ELECTRICAL	Monitor PD Current	50 uA min., 2 mA max.
	Monitor PD Dard Current	10 nA max.
	Photodiode Capacitance	10 pF min.
	RF Passband Flatness	1.0 dB max.
	Noise Power Ratio	40∕14 min. @ 25 °C
	Rise/Fall Time	500 ps max. to 3 Gb/s
	Center Wavelength	1290 nm ± 2 nm to 1610 nm ± 2 nm
	Optical Isolation	20 dB
	Optical Output Power	3 dBm typ.
	Laser Linewidth	0.1 nm max.
OPTICAL	Slope Efficiency	0.05 W/A min., 0.15 W/A max.
	Side Mode Suppression Ratio	30.0 dB min.
	Spurious Noise w/ Carrier	-60 dBc typ.
	Spurious Noise w/out Carrier	-52 dBc typ.
	Relative Intensity Noise	-150 dB/Hz max.
	Polarization Extinction Ratio	>25 dB
	Laser Diode Reverse Voltage	2 V
MAXIMUM RATINGS	Laser Diode Forward Current	150 mA
	Monitor PD Reverse Voltage	15 V
	Monitor PD Reverse Current	2 mA
	Operating Temperature	-20 °C to +75 °C
	Storage Temperature	-40 °C to +85 °C
MECHANICAL	Power Supply Voltage	1.2 V typ., 2.0 V max.
	Optical Connectors	FC/APC, SC/APC
	Optical Fiber	PM-PANDA with 900 um or 3 mm jacket
	Housing Dimensions	28 mm x 6 mm x 6 mm
	Housing	Coaxial with Fiber Pigtail

