



Optical Micro-Node

Product Specifications

Item	Unit	Technical Parameter	
Forward Optical Receiver			
Optical Parameters			
Optical Receiving Power	dBm	-7 ~ +2	
Suggested Use Range	dBm	-3 ~ +1	
Optical Return Loss	dB	> 45	
Optical Receiving Wavelength	nm	1100 ~ 1600	
Optical Connector Type		SC/APC (standard), FC/APC (optional)	
Fiber Type		Single Mode	
Link Performance			
C/N	dB	≥ 51	-1dBm Optical Power Received
C/CTB	dB	≥ 63	
C/CSO	dB	≥ 60	
RF Parameters			
Frequency Range	MHz	47/54/70/85 ~ 862/1003	
Flatness in Band	dB	± 0.75	
Rated Output Level	dBμV	≥ 92	
Max Output Level	dBμV	≥ 92	
Output Return Loss	dB	≥ 16	
Output Impedance	Ω	75	
Return Optical Transmitter			
Optical Parameters			
Optical Transmit Wavelength	nm	1310 ±10, 1550 ±10 (or as specified by user)	
Laser Type		FP Laser	
Optical Output Power	mW	0.5, 1, 2	
Optical Connector Type		SC/APC (or as specified by user)	
RF Parameters			
Frequency Range	MHz	5 ~ 30/42/55/65 (or as specified by user)	
Flatness in Band	dB	±0.75	
Input Level	dBμV	75 ~ 85 (Rated input level 80)	
Input Return Loss	dB	≥ 16	
Output Impedance	Ω	75	
NPR Dynamic Range	dB	≥10 (NPR ≥30 dB)	
General Statistics			
Power Voltage	V	+12VDC	
Operating Temperature	°C	-30 ~ +70	
Storage Temperature	°C	-30 ~ +70	
Relative Humidity	%	Max 95% No Condensation	
Consumption	VA	≥ 6	
Dimensions	mm	154 (L) x 116(W) x 26(H)	

MUL-MN-V-TR

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