



Multicom's Optical Micro-Node

Product Specifications

Down-stream Specifications		Values	Notes
Optical	Operating wavelength (nm)	1260 - 1620	
	Optical Input (dBm)	-6 - +3	
	Return loss (dB)	>50	
	Input power test point (V/mW)	1	
	Connector	SC/APC	
RF	Max. operating bandwidth (MHz)	54 - 1000	
	Flatness (dB)	-0.5 - +0.5	54~1000 MHz
	Output return loss (dB)	16	54~1000 MHz
	Output level (dBmV)	25	Optical Input at 0dBm
	Output level test port (dB ref)	-20	
	Impedance (Ω)	75	
	RF connector	F-female	
Link	CNR (dB)	52	78CH, Optical Input at 0dBm
	CTB (dB)	-65	
	CSO (dB)	-60	
	HUM (dB)	-60	
General	Power supply - Volts DC	+12	
	Power consumption (W)	4	
	Operating temp. ($^{\circ}$ C)	-20 - 65	
	Storage temp. ($^{\circ}$ C)	-40 - 85	-4 - 150 $^{\circ}$ F
	Relative humidity (%)	5 - 95	
	Size (W x D x H mm)	130 x 106 x 33	5¼ x 4¼ x 1¼ inches

Up-stream Specifications		Values	Notes
Optical	Reverse TX operating wavelength (nm)	1310	
	Type of laser with return path	FP	
	Output power (mW)	1.0	
	Return loss (dB)	>55	
	Output power test point (V/mW)	1.0	
	Connector	SC/APC	
RF	Operating bandwidth (MHz)	5 - 42	
	Flatness (dB)	-0.5 - +0.5	5~42MHz
	Noise Power Ratio (dB)	37	FP Link loss \geq 15dB
	Input level (dBmV)	20	
	Return loss (dB)	16 - 18	5~42MHz
	Input power monitor (dB)	20	

MUL-MN-1000D-5/42

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