



Multicom 1310nm Optical Transmitter

Product Specifications

Description

Multicom's MUL-1310TX-1000-X Direct Modulated Transmitter delivers high performance signal transmission of NTSC, PAL, ATC, QAM, and related digital information for CATV and/or telephony applications. It is based upon custom high-linearity optically isolated DFB (Distributed Feedback) lasers, specifically designed for multi-channel AM video applications. The built-in control circuits provide an exceptionally low noise and inter-modulation characteristics. Automatic output power control, coupled with temperature stabilization provided by a thermoelectric cooler ensures maximum performance and longer laser life.

Technical Specifications

Specifications		Values	Notes
General	Operating temp. (°C)	0 - 50	32 - 122°F
	Storage temp. (°C)	-40 - 85	
	Operating relative humidity (%)	5 - 95	Non-condensing
	Power Supply - Volt AC	90 - 265	
	Power Consumption (W)	25	
	Size (W x D x H inches)	19 x 14.25 x 1.75	
	Interface port	RJ45, RS232	
Optical	Wavelength (nm)	1300 - 1320	
	Output power (dBm)	8 - 14	Depending on model
	Optical connector	SC/APC	
RF	RF Bandwidth (MHz)	45 - 1000	
	Input level (dBmV)	15 - 25	AGC
	Flatness (dB)	-0.75 - +0.75	
	Return loss (dB)	16	75Ω impedance
	RF connector (Main input)	F type	
	CSO (dBc)	-63	79 Channel load, back to back at 0 dBm receive power
	CTB (dBc)	-70	

Product Series

Part#	Output Power	CNR
MUL-1310TX-1000-8	8 dBm	≥51 dB
MUL-1310TX-1000-10	10 dBm	≥50 dB
MUL-1310TX-1000-12	12 dBm	≥50 dB
MUL-1310TX-1000-14	14 dBm	≥50 dB

MUL-1310TX-1000-X

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