



1310nm Optical Transmitter Module

Product Specifications

Description

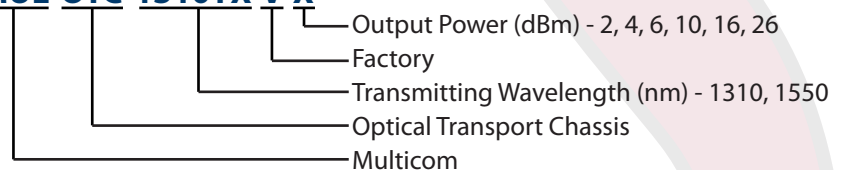
The Multicom MUL-OTC-1310TX-V intelligent directly modulated optical transmitter module is designed to be used in the Multicom Optical Transport Chassis MUL-OTC-CV-V, and is mainly used in 1310nm optical fiber transmission systems. This 1550nm Module uses an ORTEL DFB laser with an optical output power options of 2, 4, 6, 10, 16, 26dBm, and advanced intelligent electronic predistortion compensation technology.

This intelligent directly modulated optical transmitter is one of the most important components to build a CATV-HFC network. It is mainly used to transmit analog video, digital television signal, telephone voice signal and data (or compressed data) signal. This Multicom product provides a high quality low cost transmitter solution for a 1310nm optical fiber CATV system.

Technical Specifications

Item	Unit	Technical Parameters					
Optical output power	dBm	2	4	6	10	16	26
Optical link loss	dB	3	6	7.8	10	12	14.2
Optical wavelength	nm	1310 ± 20					
Laser type		ORTEL DFB laser					
Optical modulation mode		Direct optical intensity modulation					
Optical connector type		SC/APC					
Frequency range	MHz	47 ~ 1003 (depending on selected channel load)					
RF input level	dBmV	+15 to +25 (75 - 85 dBμV)					
Flatness in band	dB	± 0.75					
RF input impedance	Ω	75					
Input return loss	dB	≥ 16					
C/CSO	dB	≥ 65					
C/CTB	dB	≥ 60					
C/N	dB	≥ 51					
AGC control range	dB	± 5					
AGC adjustable range	dB	± 5					
MGC attenuation range	dB	0 - 15					
Consumption	W	25					
Operating temperature	°C	0 - +45 (+32 - +113°F)					
Storage temperature	°C	-20 - +65 (-4 - +150°F)					
Relative humidity	%	Max 95% no condensation					

MUL-OTC-1310TX-V-X



www.multicominc.com

Multicom, Inc.

Ph: 800-423-2594 / 407-331-7779

Fax: 407-339-0204

Email: multicom@multicominc.com