

Optical transmitter

MTX neo



RoHS



MTX neo is an optical transmitter with a optical output power of 0, 3 or 6 dBm. It enables input of an RF signal in the frequency range of 47-1218 MHz. The signal from the transmitter through the SC / APC connector is distributed over one optical fiber. The connected signal should be automatically adjusted thanks to AGC technology. The MTX neo optical transmitter allows you to send a signal at a distance of up to 20 km.

The MTX optical transmitter is available in versions with a laser with wavelengths: 1550 and 1310nm.

The device is characterized by a solid, metal housing, which effectively protects against mechanical damage and conditions inside the room. The optical transmitter is powered locally by power supply that comes with the device.

The device is controlled by local buttons and a built-in display. We can adjust:

- Operating mode: AGC / MGC
- For MGC mode - manually set the damping value from 0 to 35dB.
- Check the optical output power of the laser

- RF band range - 47-1218MHz
- AGC, MGC
- Wide range of RF input power
- 1-RF + TP input, 1-SC / APC optical output,
- Output optical power 0, 3, 6 dBm,
- Wavelength: 1550nm and 1310nm
- New die-cast housing
- Dedicated to cable operators and as a local TV distribution system DVB-T / C

Technical parameters are subject to change without prior notice.

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TECHNICAL PARAMETERS

Name/Parameters		MTX-1310FP	MTX-1310 DFB 3dBm	MTX-1550 DFB 3dBm	MTX-1310 DFB 6dBm	MTX-1550 DFB 6dBm
RF Bandwidth	MHz	47-1218				
Flatness	dB	±1				
CSO (CENELEC 42 ch), OMI 3,3%	dBc	≥60				
CTB (CENELEC 42 ch), OMI 3,3%		≥60				
RF level input range	dBμV	66-101				
Available wavelenghts	mm	1310	1310	1550	1310	1550
Noise figure	pA/sqrt(Hz)	<6				
OMI	%	3,5				
Laser type	/	FP	DFB	DFB	DFB	DFB
Optical output power	dBm	0	3	3	6	6
RF input impedance	Ohm	75				
Others						
Power supply	V / mA	12 / 1000				
Max. power consumption	W	4				
RF connector	/	F				
Optical connector	/	SC/APC				
Dimensions	mm	205x136x45				
Weight	kg	0,6				
Package	/	carton				

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