

Type		ODMTXm
Order number		212 030
EAN-Code		4026187199180
RF and optical characteristics		
Optical input wavelength	[nm]	1550 ± 10 standard not selected ITU laser within range alternatively, specified DWDM Laser according ITU Grid C37 (1547,72 nm) to C31 (1552,52 nm)
Optical output power	[dBm]	2 separate outputs, each 10,0
Laser type		DFB high performance laser
Number of optical output ports		2
Modulation type		direct optical intensity modulation
RIN	[dB/Hz]	< -154
Flatness	[dB]	± 1,0
Optical connector type		SC/APC on front
Frequency range	[MHz]	110 - 1218
RF input level range (AGC working range)	[dBμV]	72 - 85
AGC control range / MGC range	[dB]	± 5,0 / 0 .. 20
RF input test port (switchable between Inputs)	[dB]	-20 ± 1,5
RF input impedance	[Ω]	75
RF input return loss	[dB]	≥ 16 (47 - 550 MHz); ≥ 14 550 - 862/1003 MHz
CTB*	[dB]	≥ 62
CSO*	[dB]	≥ 59
C/N*	[dB]	≥ 50
MER**	[dB]	> 40
BER**		< 10 ⁻⁹
BC-NC RF isolation	[dB]	> 50
Common data		
Power consumption	[W]	< 20
Weight	[kg]	< 1
Dimensions (W x H x D)	[mm]	module for AOCS-SR
Ambient temperature	[°C]	-5 .. +55 (ETSI EN 300019-3 Class 3.2)

*) Test link-1: Optical transmitter 18 dBm EDFA 20 km Fiber link Optical attenuator Optical Receiver (Optical power input level = 0 dBm, noise bandwidth 5 MHz, single optical wavelength), 25 PALBG channel 119,25-287,25 MHz + 114 256QAM-8 MHz Digital channel 302-1214 MHz

**) Test link-2: Optical transmitter 18 dBm EDFA 20 km Fiber link Optical attenuator Optical Receiver (Optical power input level = 0 dBm, noise bandwidth 5 MHz, single optical wavelength), Full digital load 254-1214 MHz QAM256, OMI total between 19 - 26 %