

RFoG / HFC SFP RETURN - PATH RECEIVER

PRODUCT FEATURES

- DOCSIS 3.1 upstream compatible with operating bandwidth up to 204 MHz
- SFP module with two optical return-path receiver
- Automatic (AGC) and manual (MGC) RF level control
- 1260 nm to 1620 nm wavelength range
- LC / APC
- Power consumption < 1.5 W / module



The SFP has a very low power consumption, achieves a very high return path receiver density and it is compatible to DOCSIS 3.1 upstream.

The low power range SFP module is used for RFoG applications and the high power range SFP module is used for HFC applications.

Type		RFoG / OR SFP L	HFC / OR SFP H
RF			
RF bandwidth	MHz	5-204	
RF output level	dBμV	98 dBμV @ -22 ... -9 dBm @ OMI 8%/CH, QAM256, 8 MHz, rs: 6.9 MBaud	98 dBμV @ -9 ... +2 dBm @ OMI 8%/CH, QAM256, 8 MHz, rs: 6.9 MBaud
(3 dB Booster activated)		94 dBμV @ -22 ... -9 dBm @ OMI 5%/CH, QAM256, 8 MHz, rs: 6.9 MBaud	94 dBμV @ -9 ... +2 dBm @ OMI 5%/CH, QAM256, 8 MHz, rs: 6.9 MBaud
RF output stability	dB	± 1 dB @ OMI 8%/CH ± 1 dB @ OMI 5.7%/CH	
Attenuator	dB	31.5; 0.5 dB steps	
RF flatness	dB	± 0.75	
RF isolation	dB	57	
RF connectors		MCX	
Optical			
Wavelength	nm	1260...1620	
Optical inputs	dBm	-22...-7	-15...2
Equivalent input noise	pA√/Hz	<3	
Input return loss US	dB	45	
Connectors		LC/APC	
General			
Remote management		Web GUI / SNMP V2c (Ethernet port)	
1 RU 19" chassis power supply		110...240 VAC (50...60Hz) and/or -72 ... -36 VDC	
SFP power consumption	W	1.2	
Operating temperature	°C	0...+55	
Storage temperature	°C	-40...+85	
Dimensions	mm	286 x 482.6 x 43.6	
Enclosure classification		IP 20	