

DCT DELTA O-MISO

OPTICAL REPEATER

- Optical Standard Repeater for "Street-Cabinet Applications" (FTTC) for Signal splitting and processing for FTTx-Networks
- Totally avoiding of OBI
- Prepared for XFP EDFA module
- High input power range



SPECIFICATIONS

ELECTRICAL AND GENERAL DATA		MIN.	TYP.	MAX.	REMARKS
Operating Voltage	V~	185	230	265	Switched mode PSU
Power consumption	W				
O-MISO 4x			4.0	4.5	
O-MISO 8x			4.5	5.0	
O-MISO 16x			5.8	6.3	
O-MISO 32x			8.0	8.5	
Length of Power Cable	m	1.3	1.5		
Mains Plug			EURO		
Protection Class			II		
Operating Voltage, internal	V DC		9		
Indication Power ON			LED green		
Operating Temperature	°C	-20		+55	
IP Class			IP 20		
Dimensions W x H x D	mm		430 x 260 x 45		
Weight	kg		2.5		
Fiber Connector			SC/APC		
RF Connector			F-female		
Conformity			CE		

DOWNSTREAM TRANSPARENT		MIN.	TYP.	MAX.	REMARKS
Optical wavelength	nm	1540	1550	1560	
Integrated WDM Filter 1550 nm/CWDM			Yes		others on request
Attenuation	dB				
O-MISO 4x			7.5	8.0	
O-MISO 8x			10.5	11.0	
O-MISO 16x			13.5	14.0	
O-MISO 32x			16.5	17.0	
Optical Input Power	dBm			22	
Optical Input Return loss DS	dB	45			
WITH FOSTRA-F	Optical Receiver Diode Type		PIN		
	Decoupling Attenuation	dB	0.3	0.5	
WITH EDFA	Optical Input Power Range	dBm	0	+3	+6
	Optical Output Power (total)	dBm		17.0	
	Power Consumption	W		2.5	3.0
WITH OPTICAL MEMS-SWITCH	Optical Wavelength	nm	1240		1640
	Insertion Loss	dB		0.4	0.9
	Switching Time	ms		2	10

ORDERING INFORMATION

O-MISO 4-61-2-6- OA/LC-FP

SPLIT FACTOR	US-WAVELENGTH	NUMBER OF FIBERS	OUTPUT	GAIN	AMPLIFIER	CONNECTOR	POWERING	MONITORING
4; 8; 16 or 32	61: 1610 nm 59: 1590 nm 57: 1570 nm 53: 1530 nm 51: 1510 nm 49: 1490 nm 47: 1470 nm 45: 1450 nm 43: 1430 nm 41: 1410 nm	1: 1 fiber for DS and US 2: 1 fiber each for DS / US 3: 2 fiber for DS / 1 fiber for US	3: 3 dBm 6: 6 dBm	-: Standard H: High Gain	-: without OA: integrated	-: SC connectors LC: LC connectors	-: back powered FP: front powered	-: FOSTRA-F prepared FOSTRA: FOSTRA F integrated

TYP	ITEM NO.	DESCRIPTION
O-MISO 4-61-1	57002984	Optical Upstream Repeater 4 x Inputs, 1 x Output
O-MISO 8-61-1	57002926	Optical Upstream Repeater 8 x Inputs, 1x Output
O-MISO 16-61-1	57002816	Optical Upstream Repeater 16 x Inputs, 1x Output
O-MISO 32-61-1	57002927	Optical Upstream Repeater 32 x Inputs, 1x Output
O-MISO 8-59-2	57003209	Optical Upstream Repeater 8 x Inputs, 2 fiber system, 1590 nm
O-MISO 8-61-2	57003208	Optical Upstream Repeater 8 x Inputs, 2 fiber system, 1610 nm
O-MISO 16-RX-2	57003421	Optical Upstream Repeater 16 x Inputs, 1 x RF Output 2 x DS
O-MISO 32-61-3 H	57003262	Optical Upstream Repeater 32 x Inputs, 2 x in DS, 1 x Out DS, high gain