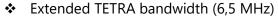


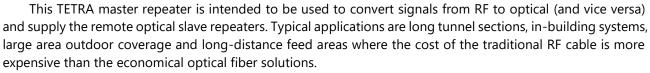
400 MHz TETRA Optical Master Repeater

MAIN FEATURES



- Star or daisy chain configuration
- Supports up to 8 slaves with external optical splitters
- 5-Wave WDM technology
- Automatic optical power control
- Remote supervision of slave units
- * Supports both mini and macro slaves
- SNMP support
- Supports master redundant configuration



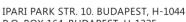


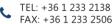
Using WDM (Wavelength Division Multiplexing) technology the uplink and downlink signals are transmitted on the same optical cable. The same optical cable is used for remote supervision and control, providing a reliable communication link. The master unit can be monitored and controlled via its Ethernet connector using SNMP protocol or via the optional 2G/4G modem. All connected slave units can be remotely supervised through the optical connection.

SPECIFICATIONS

ELECTRICAL PARAMETERS		
Fraguena, band	Downlink: 390 – 396.5 MHz	
Frequency band	Uplink: 380 – 386.5 MHz	
Operating frequency bandwidth	6.5 MHz	
Mode of operation	Band selective duplex	
Nominal gain	-10 dB	
Gain setting range	-10 to -40 dB adjustable in 1 dB steps	
Gain ripple	<±1.5 dB typical	
Gain stability	<±1.5 dB (within operating temperature range)	
Maximum RF input power	+10 dBm	
Harmonics	According to ETSI regulation	
Spurious radiation	According to ETSI regulation	
Optical module maximum RF input power	+5 dBm	
Maximum optical loss between master	15 dBo	
and slave		
Power supply voltage	40 – 57 VDC	
Power consumption	<30 W	







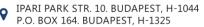






BRMF57-E 400 MHz TETRA Optical Master Repeater

Specifications are subject to change without notice.



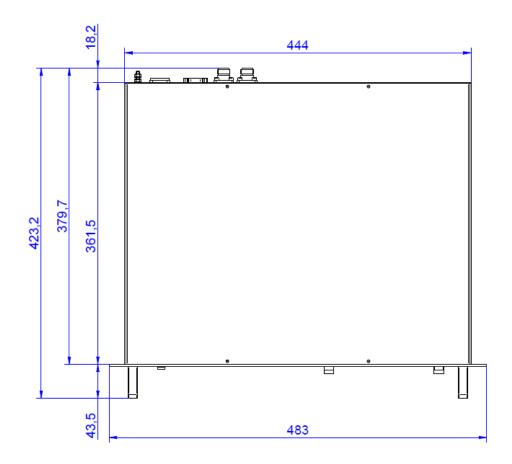
⁽¹⁾ In POWERED OFF state the relay will be open. The operation of the Dry Contact relay is configurable by the user.



400 MHz TETRA Optical Master Repeater

OUTLINE DRAWING (mm)







ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
BRMF57K10934	BRMF57-E, 2 CH, 5-WDM, 380-386,5 MHz / 390-396,5 MHz, 48 VDC, SC/APC, 19" 1U rack, SNMP, separated donor port

DOCUMENT REVISION

DOCUMENT NAME	REVISION	DATE
BRMF57-LM-K10934	V04	2024-01-03