

Product Specification

Carrier-band

CBR-7 Repeater

The **CBR-7** is a Carrier-band to fiber optic repeater designed with single mode fiber optics for extended range applications. A fiber optic attenuator should also be used for shorter range applications. See the "CBR-7 System Design" manual for more information. A 20dB attenuator is included.



Models

CBR-7, with AC Power Option
CBR-7, with DC Power Option

Model

CBR-7AC
CBR-7DC

Accessories

Rack Mount Kit—Single Unit
Rack Mount Kit—Dual Unit
North American, Japan Power Cord
Continental Europe Power Cord
Test Cable
5dB Fiber Optic FC Attenuator
10dB Fiber Optic FC Attenuator
15dB Fiber Optic FC Attenuator
20dB Fiber Optic FC Attenuator

Part

CBR-A0050A
CBR-A0060A
300-553
300-616
100-093
300-667
300-666
300-665
300-664

Related Documents:

501-281: CBR-7 Installation and Testing
501-276: CBR-7 System Design Application Note
501-282: Guide to Industrial Fiber Optics
501-283: Carrier-band Network Handbook

Approvals
CBR-7AC
CBR-7DC



Approval
CBR-7AC



Specifications

Data Rate	5 Mbits/sec
Transit Delay Through Repeater	Maximum 0.7 microseconds
Repeater Cascade	Four Repeaters Maximum
Carrier-band	
Connector	F-type with gold center contact, female.
Input Signal Power	+10 to +66 dBmV
Output Signal Power	+62 dBmV Minimum
Fiber Optic	
Transmit Optical Connector Type	FC
Receiver Optical Connector Type	ST
Fiber Size	9/125 micrometer
Minimum Transmitter Output	-4 dBm (without attenuator)
Maximum Transmitter Output	+1 dBm
Emission Wavelength	1308 - 1316 nanometer
Laser Life Expectancy	80 Years at 50 °C
Receiver Optical Power Range	See the CBR-7 System Design Application Note, Relcom document 501-276
Power Requirements	
	AC Option: 85-240 VAC, 47-63 Hz, 15W
	DC Option: 18-36 VDC, 15W
Power Connector	
	AC Option: IEC320
	DC Option: Screw Terminal Block
Storage Temperature	-20 to +80 °C
Operating Temperature	-20 to +65 °C
EMC	EN 61326, Class A
Size	19 x 20 x 9 cm (7.5" x 8" x 3.5")
Weight	1.4 kg (3 pounds)

Product specifications are subject to change without notice.