



BOSM-CWDM 16-Channel



TECHNICAL SHEET

Features:

- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

Applications:

- Line Monitoring
- WDM Network
- Telecommunication
- Fiber Optical Amplifier
- Access Network








Coarse wavelength division multiplexer (CWDM) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provide slow insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path . Products are Telcordia quality tested.

Performance Specifications

Parameter		MUX	DEMUX
Operating Wavelength (nm)		1310,1330,1350,1370,1390,1410,1430,1450, 1470,1490,1510,1530,1550,1570,1590,1610	
Center Wavelength Accuracy (nm)		± 0.5	
Channel Spacing (nm)		20	
Channel Passband (@-0.5dB bandwidth) (nm)		≥13	
Insertion Loss Over Passband (Excluding Connectors) (dB)		≤3.5	
Channel Uniformity (dB)		≤ 1.0	
Channel Ripple (dB)		≤ 0.5	
Isolation (dB)	Adjacent	N/A	≥30
	Non-adjacent	N/A	≥40
Polarization Dependent Loss (dB)		≤ 0.10	

Polarization Mode Dispersion (ps)	≤ 0.1
Directivity (dB)	≥ 50
Return Loss (dB)	≥ 45
Power Handling (mW)	300
Operating Temperature (°C)	0 ~ +70
Storage Temperature (°C)	-40 ~ +85
Dimensions (mm)	L150 x W95 x p0

BroadStar - Ordering Information

BOSM16							
	Channel Spacing	Package	Configuration	1st Channel	Pigtail Style	Fiber Length	In/Out Connector
	C=CWDM Grid	RA=19" Rack PL= PLC Splitter LG=LGX Mod	M=Mux D=DeMux	310=1310nm 330=1330nm 490=1490nm 570=1570nm 590=1590nm 610=1610nm	1=Bare Fiber 2=900um Jacket 3=3mm Cable	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC



BOSM16-CWDM-RA-X-XXX-X-X-XX



BOSM16-CWDM-LG-X-XXX-X-X-XX