



**BOSS-C-XX-X
CWDM Device(Single Channel)**



TECHNICAL SHEET

Features:

- Low Insertion Loss
- Wide Pass Band
- High Stability and Reliability
- High Channel Isolation
- Epoxy Free Optical Path
- Indoor / Hub - Outside plant options available

Applications:








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

Performance Specifications

| Parameter | | Mux | Demux |
|---|--------------|--------------|-------|
| Operating Wavelength (nm) | | 1510 to 1610 | |
| Center Wavelength Accuracy (nm) | | ± 0.5 | |
| Channel Spacing (GHz) | | 20 | |
| Channel Passband (@-0.5dB bandwidth)(nm) | | ≥13 | |
| Pass Channel Insertion Loss (dB) | | ≤ 0.6 | |
| Reflection Channel Insertion Loss (dB) | | ≤ 0.4 | |
| Channel Ripple (dB) | | ≤ 0.3 | |
| Isolation (dB) | Adjacent | N/A | ≥30 |
| | Non-adjacent | N/A | ≥40 |
| Insertion Loss Temperature Sensitivity (dB/°C) | | ≤ 0.003 | |
| Wavelength Temperature Shifting (nm/°C) | | ≤ 0.002 | |
| Polarization Dependent Loss (dB) | | ≤ 0.1 | |
| 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) | F 5.5xL34(L38 for 900um jacket) |

BroadStar Ordering Information

| BOSS- |  |  |  |  |  |  |  |
|-------|---|---|---|---|---|---|---|
| | Channel Spacing | Environment | Configuration | ITU Channel | Pigtails Style | Fiber Length | In/Out Connector |
| | C=CWDM Grid | OP= Outside plant IH= Indoor Hub | M=Mux D=Demux | 510=1510n m 511=1511n m • • • 571=1571n m | 1=Bar e Fiber 2=900 um Jack et 3=3m m Cabl e | 1=1m 2=2m | 0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC |



BOSS-C-IH-x-xxx-x-x-xx (Indoor - Hub)



BOSS-C-OP-x-xxx-x-x-xx (Outside Plant)