



INSTRUCTION MANUAL

FOC Series

Fiber Optic Rack Mount Couplers

| BT stk# | Model# | Description |
|---------|-------------|-------------------------------------|
| 7450-S | FOC-102U-SA | 1x2 Coupler with SC/APC connectors |
| 7450-F | FOC-102U-FA | 1x2 Coupler with FC/APC connectors |
| 7454-S | FOC-104U-SA | 1x4 Coupler with SC/APC connectors |
| 7454-F | FOC-104U-FA | 1x4 Coupler with FC/APC connectors |
| 7457-S | FOC-108U-SA | 1x8 Coupler with SC/APC connectors |
| 7457-F | FOC-108U-FA | 1x8 Coupler with FC/APC connectors |
| 7460-S | FOC-116U-SA | 1x16 Coupler with SC/APC connectors |
| 7460-F | FOC-116U-FA | 1x16 Coupler with FC/APC connectors |

The FOC Series are optical couplers used to split 1310 and 1550 nm light sources from one input to up sixteen fibers.

The couplers feature a rack mountable chassis with either FC/APC or SC/APC connectors to provide superior reflection performance.

Specifications

| Model | Insertion Loss (dB) | | Uniformity (dB) | Directivity (dB) | Center Wavelength (nm) | Bandwidth (nm) |
|----------|---------------------|-------|-----------------|------------------|------------------------|----------------|
| | (Typical) | (Max) | (Max) | (Min) | | |
| 7450-F/S | 3.3 | 4.3 | 0.7 | 50 | 1310 & 1550 | +/- 40 |
| 7454-F/S | 6.3 | 8.0 | 1.4 | 50 | 1310 & 1550 | +/- 40 |
| 7457-F/S | 9.5 | 11.5 | 2.1 | 50 | 1310 & 1550 | +/- 40 |
| 7460-F/S | 12.6 | 15.0 | 2.8 | 50 | 1310 & 1550 | +/- 40 |

Mechanical Specifications

| Material | Dimensions Rack Mount | |
|---------------|-----------------------|-----------------|
| Steel Chassis | 19.00 x 1.75 x 12.25 | (WxHxD), inches |
| | 483 x 44 x 311 | mm |

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