

# F-1x2SPLIT-50ABC-O9L

## 50/50% All Band Coupler



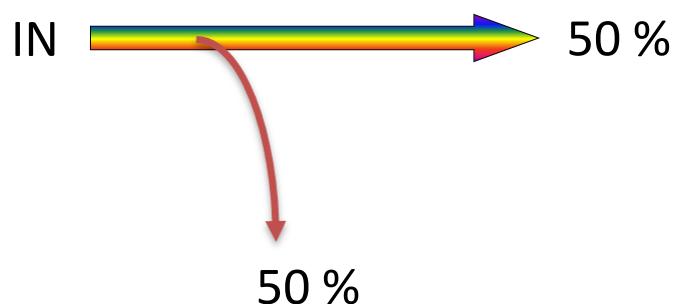
### DESCRIPTION

This fiber optic coupler taps off 50% of the optical power on a singlemode fiber. It supports a wide range of wavelengths and can thus be used for monitoring or splitting all types of signals being transported on the fiber including CWDM. The compact size is ideal for installation in tight spaces such as a splicing enclosure.

### FEATURES

- Fused Biconical Taper (FBT) All Band Coupler
- 50/50 % power split ratio
- Supports wavelengths 1260-1620 nm
- Protocol transparent (support 1G, 10G etc.)
- 900  $\mu\text{m}$  loose tube G.657.A1 fibers with LC/UPC connectors
- Tested for reliability according to Telcordia GR-1209-CORE/GR-1221-CORE
- 0.5 meter fibers with LC/UPC connectors

### FUNCTIONAL DESCRIPTION



The device can be used in both directions

**TECHNICAL DATA**

Parameter	Unit	Value
Configuration		1x2
Power Split Ratio	%	2 / 98
Operating Wavelength	nm	1260 - 1620
Typical Excess Loss	dB	≤ 0.7
Insertion Loss	dB	≤ 3.8
Insertion Loss Uniformity	dB	≤ 0.4
PDL	dB	≤ 0.15
Directivity	dB	≥ 55
Return Loss	dB	≥ 50
Operating temperature	°C	-10 to +70
Storage temperature	°C	-40 to +85
Dimensions (L x Ø)	mm	40 x 3.0
Fiber Type		G.657.A1
Fiber Length	m	≈ 0.5
Connector type		LC/UPC


**ORDERING INFORMATION**

Product number	Description
F-1x2SPLIT-50ABC-O9L	FBT Coupler 50/50% All Band, 40x3 mm cyl. G.657.A1, 900 µm fibers, 0.5 m, LC/UPC