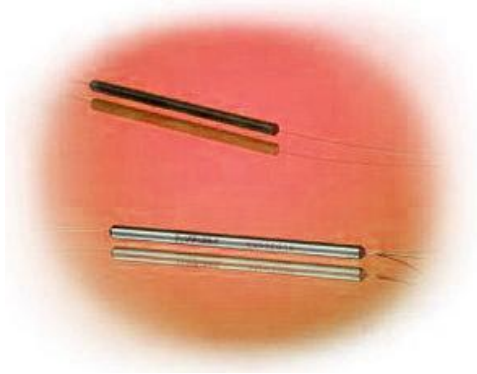


FBT Technology MM OM3 850nm Coupler

Part number: FBTC-3x8xxx-xxxxx-xx



Overview:

Ficer's Multi-Mode OM3 coupler can be operated at 850nm wavelength level for 10G network. Ficer applies advanced FBT technology which realize stable and low loss data transmission in Multi-Mode short range high speed applications.

Applications:

- I Low Insertion Loss
- I Low PDL
- I High Directivity
- I High stability and reliability
- I Various Coupling Ratio

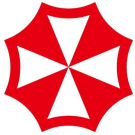
Features:

- I CATV
- I Fiber Sensor
- I Test Instruments
- I FTTH, FTTB
- I Local Area Network
- I Optical communication systems

Specifications :

Parameter	Premium	Standard
Operating Wavelength	850nm	
Port Configuration	1' 2 or 2' 2	
Typical Excess Loss (dB)	0.7	1.0
Max. Insertion Loss (Without Connector)(dB)	4.6	5.0
Uniformity (50/50) (dB)	£0.7	£1.0
Directivity (dB)	³ 55	
Thermal Stability (dB)	£0.25	
Operating Temperature (with Hytrel Cable)	-40°C to +85°C	
Storage Temperature (with Hytrel Cable)	-40°C to +85°C	
Package Dimensions (mm)	A (250mm): 3.0(OD) x 54(L) B (0.9mm): 3.0(OD) x 60(L) C (3.0 or 0.9mm): 98(L) x 14(W) x 8.5(H)	

Note: All the data above does not include connectors

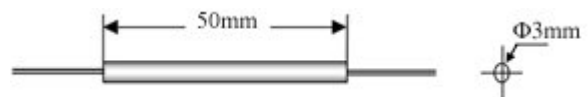


Coupling Ratio / Insertion Loss :

Coupling Ratio	Premium	Standard
50/50	4.6	5.0
40/60	5.7 / 3.5	6.4 / 4.1
30/70	7.3 / 2.7	7.9 / 3.2
20/80	9.4 / 2.1	10.3 / 2.5
10/90	13.3 / 1.5	14.4 / 1.9
5/95	17.6 / 1.1	19.0 / 1.5
1/99	25.0 / 0.8	26.7 / 1.2

Package Dimensions :

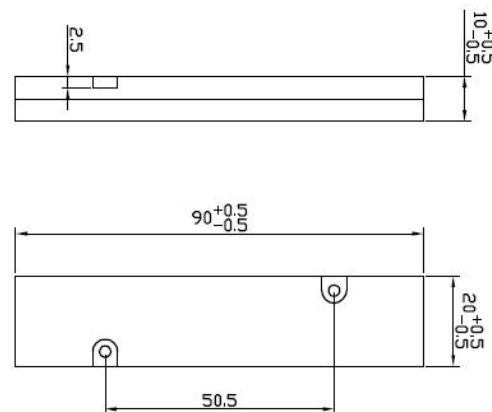
Package A:
3mm x 50mm stainless steel tube
with 250um bare fiber

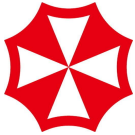


Package B:
3mm x 60mm stainless steel tube
with 250um bare fiber
or 0.9mm loose tube



Package C:
90mm x 20mm x 10mm case
with 2.0, 3.0mm cable or 0.9mm loose tube





Ordering Information :

FBTC-3 - -

Grade

P: Premium
S: Standard

Wavelength

8: 850nm

Port

1: 1' 2
2: 2' 2

Coupling Ratio

01: 01/99 30: 30/70
02: 02/98 40: 40/60
05: 05/95 50: 50/50
10: 10/90 XX: Others
20: 20/80

Package type

ABB10 Package A with Bare Fiber 1M
BBB10 Package B with Bare Fiber 1M
B9H10 Package B with 0.9mm Hytrel 1M
C2P10 Package C with 2.0mm PVC 1M
C3P10 Package C with 3.0mm PVC 1M
C9H10 Package C with 0.9mm Hytrel 1M
LEA1S- LGX Box for 1 slot in Beige color, Aluminum

Connector Type



S- SC type
F- FC type
T- ST type
L- LC type
U- MU
E- E2000
N- None



P- PC type
A- APC type
N- None