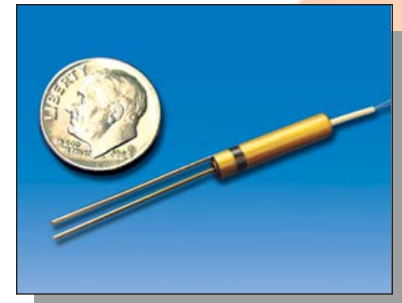


Single Channel Unidirectional Miniature Optical Power Monitor



General Specifications

Parameters		Unit	Min.	Typ.	Max.
*Operating Wavelength Range	C-band	nm	1525	1550	1565
	L-band	nm	1570	1593	1615
	C- & L-band	nm	1525	1570	1615
Isolation (Directivity) from Output to PD		dB	25	-	-
Polarization Dependent Loss		dB	-	0.03	0.1
Wavelength Dependent Loss		dB	-	0.05	0.15
Polarization Mode Dispersion		ps	-	-	0.1
Optical Return Loss		dB	45	-	-
Responsivity Flatness (with respect to band center)		dB	-	-	± 0.3
Polarization Dependent Responsivity		dB	-	0.03	0.1
Linearity		%	-	-	± 5
Reverse Voltage		V	-	5	20
Forward Current		mA	-	-	10
Dark Current @ 23°C, - 5V		nA	-	0.5	1.0
High Frequency Response Limit		GHz	0.6	-	-
Operating Temperature		°C	- 5	-	70
Storage Temperature		°C	- 40	-	85
Fiber Pigtail		-	SMF-28, 250µm bare fiber or 900µm loose tube		
Dimension		mm	Φ 3.5 × 20.5 (bare fiber) Φ 3.5 × 26.0 (900µm loose tube)		

* Dual band (1310 nm and 1550 nm) is available upon request

Optical Performance vs Splitting Ratio

Tap Ratio (%)	Max. Insertion Loss (dB)				Min. Responsivity (µA/mW)	Max. Input Optical Power (mW)
	C or L band		C+L band			
	Premium	A Grade	Premium	A Grade		
1	0.3	0.4	0.4	0.5	7	500
3	0.4	0.5	0.5	0.6	21	300
5	0.5	0.6	0.6	0.7	35	300

Note: Insertion loss and return loss values are without connectors.

Ordering Information

U O P M T 0 0 0

Tapping Wavelength
C= C-band
L= L-band
E= C- & L-band

Tapping Ratio
1= 1 %
3= 3 %
5= 5 %

Grade
P= Premium
A= A grade

Fiber Type
0= SMF-28

Buffer Type
0= 250µm bare fiber
1= 900µm loose tube

Pigtail Length
10= 1.0 m
15= 1.5 m (not avail. with connector)

Connector
0= None
1= FC/UPC
2= FC/APC
3= SC/UPC
4= SC/APC
5= LC/UPC
6= MU/UPC

This product information is subject to change without notice.

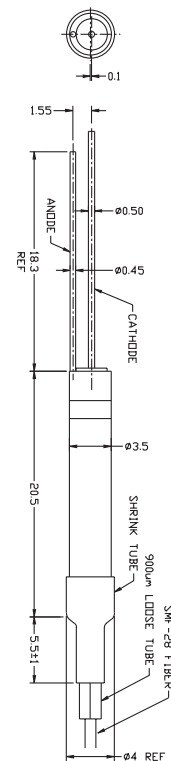
Features/Benefits

- Unidirectional monitoring
- Compact coaxial package
- Excellent responsivity linearity
- Low insertion loss
- Cost effective
- High isolation

Applications

- EDFA
- Raman amplifier
- DWDM mux/demux
- OADM
- Protection switch
- OXC
- Other monitoring applications

Dimensions



Unit: mm