



Multi-Channel Optical Power Monitor Array

Features/Benefits

- Wide wavelength coverage (C-, L- and C- & L-bands)
- Small footprint
- Small responsivity ripple
- Excellent responsivity linearity
- Low insertion loss
- Low polarization dependent loss
- Low wavelength dependent loss
- Low polarization dependent responsivity
- Minimizes fiber splicing
- Saves board space
- Plug-in socket design for easy mounting
- Simplifies logistic management

Applications

- EDFA
- Raman amplifier
- DWDM mux/demux
- Multi-channel OADM
- Protection switch
- Dynamic gain equalizer
- Other monitoring applications

General Specifications

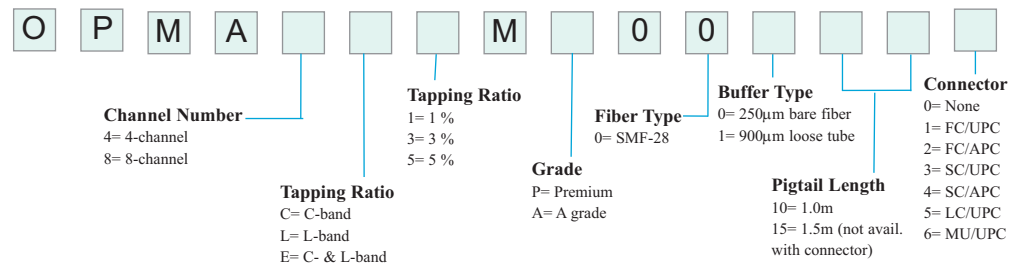
Parameters		Unit	Min.	Typ.	Max.
Operating Wavelength Range	C-band	nm	1525	1550	1565
	L-band	nm	1570	1593	1615
	C- & L-band	nm	1525	1570	1615
Polarization Dependent Loss		dB	-	0.03	0.1
Wavelength Dependent Loss		dB	-	0.05	0.15
Polarization Mode Dispersion		ps	-	-	0.1
Optical Return Loss		dB	45	-	-
Responsivity 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	4-channel	mm	16.4 × 32 × 6		
	8-channel	mm	31 × 32 × 6		

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	8	500
3	0.4	0.5	0.5	0.6	24	300
5	0.5	0.6	0.6	0.7	45	300

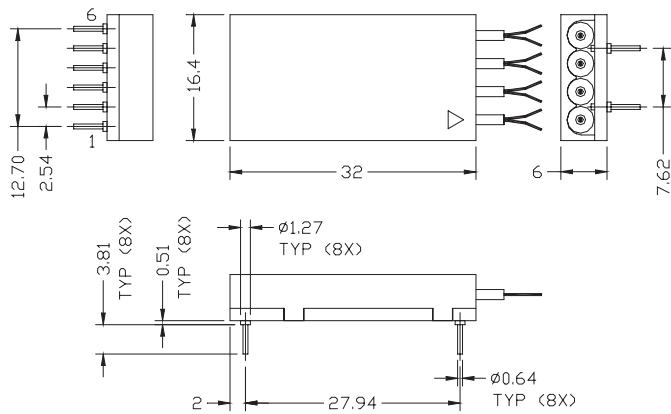
Note: Insertion loss and return loss values are without connectors.

Ordering Information



This product information is subject to change without notice.

Dimensions for 4-Channel OPMA



Unit: mm

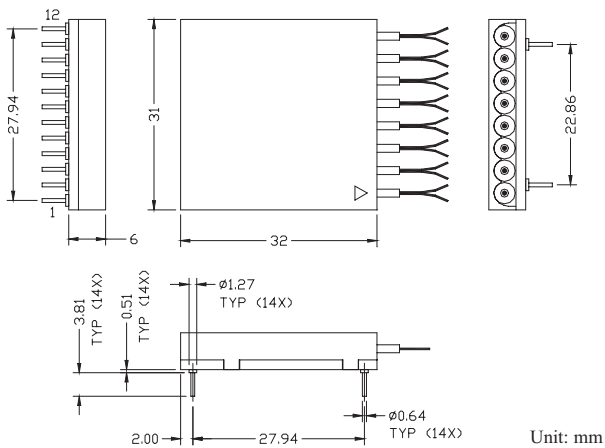
Pin Assignments

Pin Number	Description
1	Anode com
2	Ch 1 cathode
3	Ch 2 cathode
4	Anode com
5	Ch 3 cathode
6	Ch 4 cathode
7	Mounting
8	Mounting

Pin Assignments

Pin Number	Description
1	Anode com
2	Ch 1 cathode
3	Ch 2 cathode
4	Anode com
5	Ch 3 cathode
6	Ch 4 cathode
7	Ch 5 cathode
8	Anode com
9	Ch 6 cathode
10	Ch 7 cathode
11	Anode com
12	Ch 8 cathode
13	Mounting
14	Mounting

Dimensions for 8-Channel OPMA



Unit: mm