

PWDM

Features

- Low insertion loss
- Low PDL
- High isolation
- Excellent environmental reliability

Applications

- WDM system
- CATV
- Laser Packaging



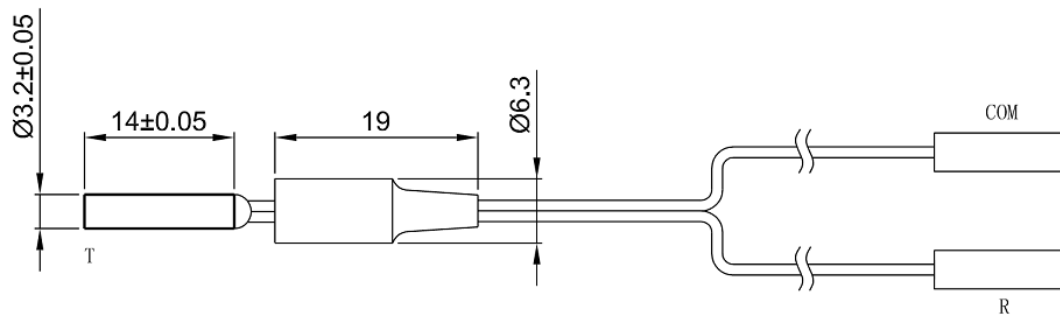
PWDM is used for packaging of optical module. It can realize the multiplexing of two communication signal, which expands the capacity of single fiber and achieves bi-directional communication. It is widely used in optical network upgrade and expansion, or introduce new comprehensive business (CATV, TELECOM, integration of three networks-PON+EOC) etc.

Specifications

Parameters	Unit	PWDM
Operating Wavelength T: transmission wavelength R: reflection wavelength 1310±50, 1490±10, 1550±10 1610±10, 1625±25, 1650±20 λ: CWDM (1260-1620) ITU±7.5	nm	1 T1550 R1310/1490
		2 T1490 R1310/1550
		3 T1310 R1490/1550
		4 T1550/1610 R1310/1490
		5 T1550/1625 R1310/1490
		6 T1625 R1310/1490/1550
		7 T1650 R1310/1490/1550
		8 Tλ
Insertion Loss	dB	Transmission: ≤ 0.6
		Reflection: ≤ 0.4
Transmission Channel Isolation		≥ 30
Reflection Channel Isolation	dB	≥ 15
PDL	dB	≤ 0.1
Wavelength thermal stability	nm/°C	≤ 0.003
Insertion loss thermal stability	dB/°C	≤ 0.005
Return loss	dB	≥ 45
Optical Power	mW	≤ 500
Operating Temperature	°C	-10 ~ +70
Storage Temperature	°C	-40 ~ +85
Relative Humidity	%	5 ~ 95
Dimension	mm	Φ3.2×14
Note: 1. Customization is available. 2. Specified without connector, and add an additional 0.2dB loss per connector.		

Dimension

3214: $\Phi 3.2 \times 14$ mm



Ordering Information: FWDM-A-B-C-D-E-F

A	B	C	D	E
Wavelength	Tube Type	Fiber Length (Include connector)	Connector	Dimension
T15R13/14:T1550 R1310/1490	25:250um	05: 0.5m±0.05m	OO:None	3214: $\Phi 3.2 \times 14$ mm
T14R13/15:T1490 R1310/1550	90:900um	10: 1.0m±0.05m	FP: FC/PC	X: Others
T13R14/15:T1310 R1490/1550	X: Others	15: 1.5m±0.05m	FA: FC/APC	
T1310:T1310±7.5		X: Others	SP: SC/PC	
X: Others			SA: SC/APC	
			STP: ST/PC	
			STA: ST/APC	
			LP: LC/PC	
			LA: LC/APC	
			X: Others	