

ECO SERIES SINGLE CHANNEL INTEGRATED TAP MONITORS

ITMS Eco Series

Features

- ◆ Low Insertion Loss
- ◆ Space Saving Coaxial Package
- ◆ Cost Effective
- ◆ RoHS 6/6 Compliant

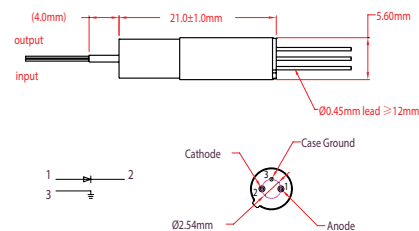
Applications

- ◆ OADM
- ◆ Optical Protection
- ◆ EDFAs and Raman Amplifiers
- ◆ Instrumentation

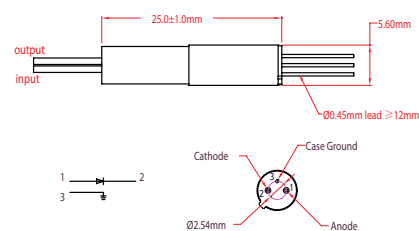


Dimension

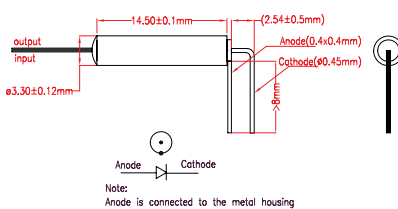
Regular [P6 + 250μm Bare Fiber] Package:



Regular [P7 + 900μm Loose Tube] Package:



Mini [P8 + 250μm Bare Fiber] Package:



Performance Specification

*All spec excluding connectors

Parameters	Specification	Unit
Operating Wavelength Range	1260~1360 1510~1610	nm
Through	Insertion Loss (@ λ_{op} , T_{op} , All SOP, exclude connector)	1%, 2% 5% 10% ≤ 0.4 ≤ 0.6 ≤ 0.9
	Polarization Dependent Loss	≤ 0.05
	Return loss (exclude connector)	≥ 45
Tapped Monitoring	Responsivity (relative to nominal power at input port)	1% NA 7~14 2% 10~23 14~25 5% 26~59 35~65 10% 52~110 70~120
	Responsivity Temperature Dependence (@1310nm or 1550nm)	≤ 0.5
	Responsivity Polarization Dependence	≤ 0.15
	PD Dark Current (@ 70°C, -5V bias)	≤ 10 (typical 3)
PD	Reverse Voltage	≤ 20
	Forward Current	≤ 10
Conditions	Input Optical Power	1% ≤ 25 2% ≤ 23 5% ≤ 19 10% ≤ 16
	Operating Temperature Range	-5 to +70
	Storage Temperature Range	-40 to +85
	Fiber Type	SMF-28

Ordering Information

ITMS



Wavelength
C+L band = E
1310/1550nm = D

Tap Ratio
1/99 = 01
2/98 = 02
5/95 = 05
10/90 = 10

Package & Fiber Type
P6+250μm bare fiber = 61
P7+900μm loose tube = 72
P8+250μm bare fiber = 81

Fiber Length
0.5meter = H
1.0meter = 1
1.5meter = 5
2.0meter = 2

Input Connector
None = 1
FC/PC = 2
FC/SPC = 3
FC/APC = 4
SC/PC = 5
SC/SPC = 6
SC/APC = 7
ST = 8
LC = 9
MU = A
LC/APC = B

Output Connector
None = 1
FC/PC = 2
FC/SPC = 3
FC/APC = 4
SC/PC = 5
SC/SPC = 6
SC/APC = 7
ST = 8
LC = 9
MU = A
LC/APC = B

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