

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

Performance Specification

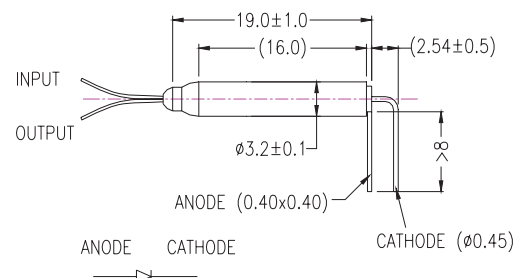
**All spec excluding connectors*

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



Dimension

Mini [P8 + 250 μ m Bare Fiber] Package:



Ordering Information

ITMS				E	C	O	8	1				G
	Tap Ratio			Fiber Length					Input Connector	Output Connector		
	1/99 = 01			0.5meter = H					None = 1	None = 1		
	2/98 = 02			1.0meter = 1					FC/PC = 2	FC/PC = 2		
	5/95 = 05			1.5meter = 5					FC/SPC = 3	FC/SPC = 3		
	10/90 = 10			2.0meter = 2					FC/APC = 4	FC/APC = 4		
Wavelength						Package & Fiber Type						
C+L band = E						P8+250μm bare fiber = 81			SC/PC = 5	SC/PC = 5		
1310/1550nm = D									SC/SPC = 6	SC/SPC = 6		
									SC/APC = 7	SC/APC = 7		
									ST = 8	ST = 8		
									LC = 9	LC = 9		
									MU = A	MU = A		
									LC/APC = B	LC/APC = B		

