

DQPSK DEMODULATOR

Features

- Low insertion loss & PDL
- Wide bandwidth
- Low temperature-dependent frequency shift (TDFS)
- Low polarization-dependent frequency shift (PDFS)
- Central Wavelength Tunable

Applications

- DQPSK signal demodulation
- Data rate optimization
- Extend transmission distances

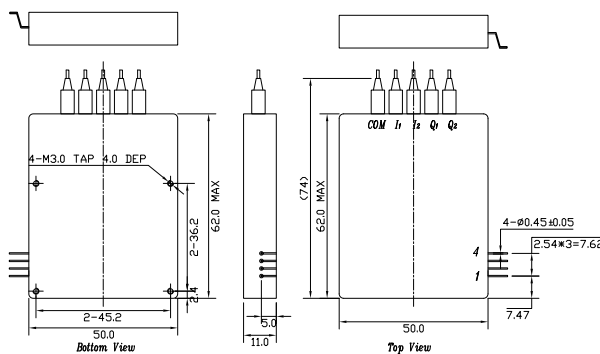


Specifications

Parameter	Specification	Unit
Operating Wavelength Range	C band: 1527~1567	nm
Free Space Range (FSR) ¹	22/25/28	GHz
FSR Error	Max 1%	GHz
Peak Insertion Loss	Max 5.5 (Typ 5.0)	dB
Extinction Ratio	Min 18	dB
PDL	Max 0.2	dB
PMD	Max 0.1	ps
PDPS	Max 3	degree
Skew (all the output ports)	Max 1	ps
Return Loss	Min 40	dB
Tuning range	Min 1.5	FSR
Tuning speed	1	sec
Operating Power Consumption	Max 2.5	W
Operating Temperature Range	0~+70	°C
Storage Temperature Range	-40~+85	°C
Package Dimension	62*50*12	mm
Fiber Type	900um loose tube	

1. Customized FSR available.

Mechanical dimension: (unit: mm)



PIN ASSIGNMENT

PIN	Function	Notes
1	I-device phase control (+)	Voltage supply
2	I-device phase control (Return)	Ground
3	Q-device phase control (+)	Voltage supply
4	Q-device phase control (Return)	Ground