

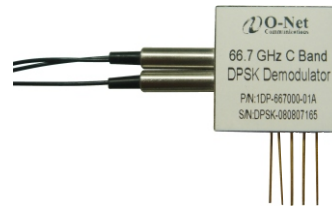
DPSK DEMODULATOR

Features

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

Applications

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



Specifications

Parameter	Specification	Unit
Operating Wavelength Range	C band: 1527~1567; L band: 1567~1607	nm
Free Space Range (FSR) ¹	65	GHz
FSR Error	1%	FSR
Peak Insertion Loss	Max 2.2 (Typ 2.0)	dB
Extinction Ratio	Max 20	dB
PDL	Min 0.2	dB
PMD	Max 0.1	dB
PDFS	Max 1%	FSR
Return Loss	Max 45	dB
Tuning Range	Min 1 FSR	-
Tuning speed	Min 0.2	s/deg.
Skew (between 2 outputs)	Max 1	ps
Operating Power Consumption	Max 3	W
Warming Power consumption	Max 5	W
Operating Temperature Range	Max 0~+70	°C
Storage Temperature Range	-40~+85	°C
Package Dimension	25*25*9	mm

1. Customized FSR available.

Mechanical dimension: (unit: mm)

