

## 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

### Specification

	Parameter	Unit	Min	Typical	Max.	
Common functions/ Performance	Wavelength range	nm	1520~1570			
	FSR	GHz		21.9		
	FSR error	GHz			0.2	
	Insertion loss	dB			6.5	
	Insertion loss variation between all 4 paths	dB			0.6	
	Input power (average)	dBm			>17	
	Extinction ratio	dB	18			
	Return loss	dB	40			
	Optical path difference (among all 4 output)	ps				1
	PDL	dB				0.5
	PDFS	GHz				0.45
	TDFS	GHz/°C			0.1	0.3
	Tuning range (pi/2 heater)	FSR				1
	Phase tuning heater total power consumption	W				1.5
	Tuning voltage range(main heater)	V				10