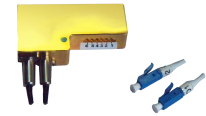


## 0704 Delay Line Interferometer

DL3000



### DPSK C-band Dual Demodulator 50/66 67 GHz C-band Dual-Rated Tunable

Wavelength Range (C-band)	1527 nm to 1567 nm
Free Spectral Range	50 GHz
FSR Error	1% max.
IL (Including Two Connectors)	25°C: 1.7 dB max.; 75°C&0°C: 2.2 dB max.
IL Difference (between The Two Receiving Ports)	0.7 dB max.
Extinction Ratio	18 dB min.
PDL	0.2 dB max.
Return Loss	40 dB min.
PDFS	3 deg max.
TDFS	±0.5 GHz/°C max.
Optical Path Delay (between The Two Receiving Ports)	1.0 ps max.
Thermal Tuning Time Constant	1.0 sec max.
Thermal Tuning Range @ 4.75 V (25°C)	100 GHz min.
Thermal Tuning Range @ 4.75 V (65°C)	100 GHz min.
Thermal Tuning Time Constant with An Accuracy of 0.1 s max. at 25°C	1.0 sec max.
TTR (Net)	83 GHz min.
Peak Frequency on Transmission Spectrum from Output 1 near 193.4 THz at 0 V & 25°C	NA
TDL Output 1	0.5 dB max.
TDL Output 2	0.5 dB max.
Tuning Heater Resistance	37.5±1.5 Ohm
Max. Height of 5 Corners	12.60 mm to 12.75 mm
Post ESS Test IL Change @ 25°C	0.3 dB max.