

Mini Polarization-Insensitive Optical Hybrid

Features

Mini Size and High isolation
 Low Insertion Loss
 High return loss
 Low polarization sensitivity
 Optical path epoxy free

Applications

CATV Fiber Optics Link
 WDM & DWDM Systems
 Fiber Optic Instruments
 Transmitters & Fiber Laser



Performance Specifications

Parameters	Single	Dual	Unit
Operating Wavelength Range	Transmitted Band		nm
	1550,1590		
	Reflected Band		nm
	1480		
Minimum Isolation (wavelength \pm 20nm, 23°C, all SOP)	≥ 27	≥ 40	dB
Minimum Isolation (wavelength \pm 20nm, 0~70°C, all SOP)	≥ 21	≥ 36	dB
Insertion Loss (T) (wavelength \pm 20nm, 0 ~ 70°C, all SOP)	≤ 0.9	≤ 1.1	dB
Insertion Loss (R) (wavelength \pm 20nm, 0 ~ 70°C, all SOP)	≤ 0.55	≤ 0.55	dB
PMD(*Add PMD Compensator component)	≤ 0.25	≤ 0.05	ps
	$\leq 0.05^*$		
PDL	≤ 0.10		dB
Return Loss	≥ 50		dB
Directivity	≥ 55		dB
Operating Temperature	0 to 70		°C
Storage Temperature	-40 to 85		°C
Package Dimension (excluding strain relief)	$\Phi 3.0 \times 28$ typical		mm

Mechanical Dimensions(mm)

