

Polarization Maintaining Collimator

The collimator can provide a low cost solution with excellent performances including low insertion loss, high return loss. In addition, various parameters of the collimator can be designed by customer's requirement such as beam spot diameter, working distance, dimension etc.

Feature

Low Insertion Loss
 High Extinction Ratio
 Compact Design
 Wide Operating Wavelength
 Wide Operating Temperature
 High Reliability and Stability
 Comply with Telcordia GR-1209-CORE-2001, Telcordia GR-1221-CORE-1999 and RoHS



Applications

Isolators
 Circulators
 Switches
 WDM
 Signal Processing

Specifications

Parameters		Values		
Type		Standard		Long working distance
Working Distance (mm)		<20		<100
Grade		P	A	A
Insertion Loss($\lambda_c, 23^\circ\text{C}$) (dB) ($\lambda_c @ 1310\&1550\text{nm}$)	Typ.	0.15	0.20	0.25
	Max.	0.20	0.25	0.30
Insertion Loss($\lambda_c, 23^\circ\text{C}$) (dB) ($\lambda_c @ 980\&1064\text{nm}$)	Typ.	0.18	0.23	0.30
	Max.	0.23	0.27	0.35
Extinction Ratio(dB)	Max.	25	23	22
Return Loss (dB)		60	55	
Housing Diameter(O.D.) (mm)		2.78 without metal tube		
		3.2 with metal tube		
Housing Length(L) (mm)		9 or 10		
Fiber Type		SM13-PS-U25A, SM15-PS-U25A or SM98-PS-U25A		
Fiber Length (m)		1.5		

Maximum Optical Power (mw)	500
Operating Temperature (°C)	-40~85
Storage Temperature (°C)	-40~85
<p>* The specifications are w/o connector.</p> <p>* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.</p> <p>* For device with connector, key aligned to slow axis.</p>	

Dimensions

