



### Key Features

- Low Loss
- Low PDL
- Excellent Stability

### Applications

- Long-haul Telecommunication
- Digital, AM-video and Hybrid System
- CATV Systems & Fiber Optic Sensor
- High Speed Network



# Circulator/ Isolator/ Hybrid

## Optical Circulator

### Parameter Specifications

Parameters	Grade P	Grade A	Units
Wavelength Range	1290~1330 or 1450~1490 or 1520~1620		nm
Isolation (1290-1330nm)	≥35	≥32	dB
Isolation (1450-1490nm)	≥38	≥35	dB
Isolation (1520-1565nm)	≥38	≥35	dB
Isolation (1565-1620nm)	≥28	≥25	dB
Insertion Loss (1290-1330nm)	≤1.0	≤1.2	dB
Insertion Loss (1450-1490nm)	≤1.0	≤1.2	dB
Insertion Loss (1520-1565nm)	≤1.0	≤1.2	dB
Insertion Loss (1565-1620nm)	≤1.5	≤1.8	dB
Polarization Dependent Loss P1 ® P2 or P2 ® P3	≤0.1	≤0.15	dB
Polarization Mode Dispersion	≤0.1	≤0.1	ps
Return Loss	≥50	≥50	dB
Directivity	≥50	≥50	dB
Fiber Type	G657.A1 Fiber		
Dimensions	φ5.5x60		

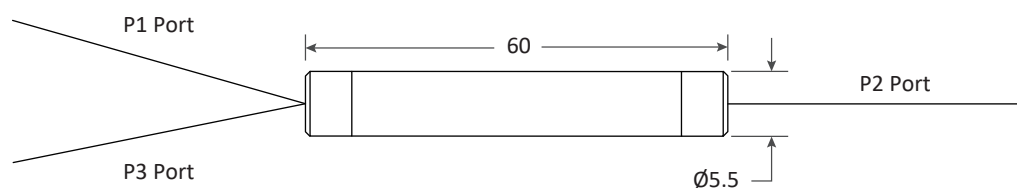
Notes:

- The above parameters do not include connector, each pair connector adds 0.2dB.

### Operating Conditions

Parameters	Performance Specifications	Units
Maximum Power handling	500	mW
Operating Temperature	-5 ~ +70	°C
Storage Temperature	-40 ~ +85	°C
Operation Humidity	5 to 95 % Relative Humidity	

### Mechanical Dimensions

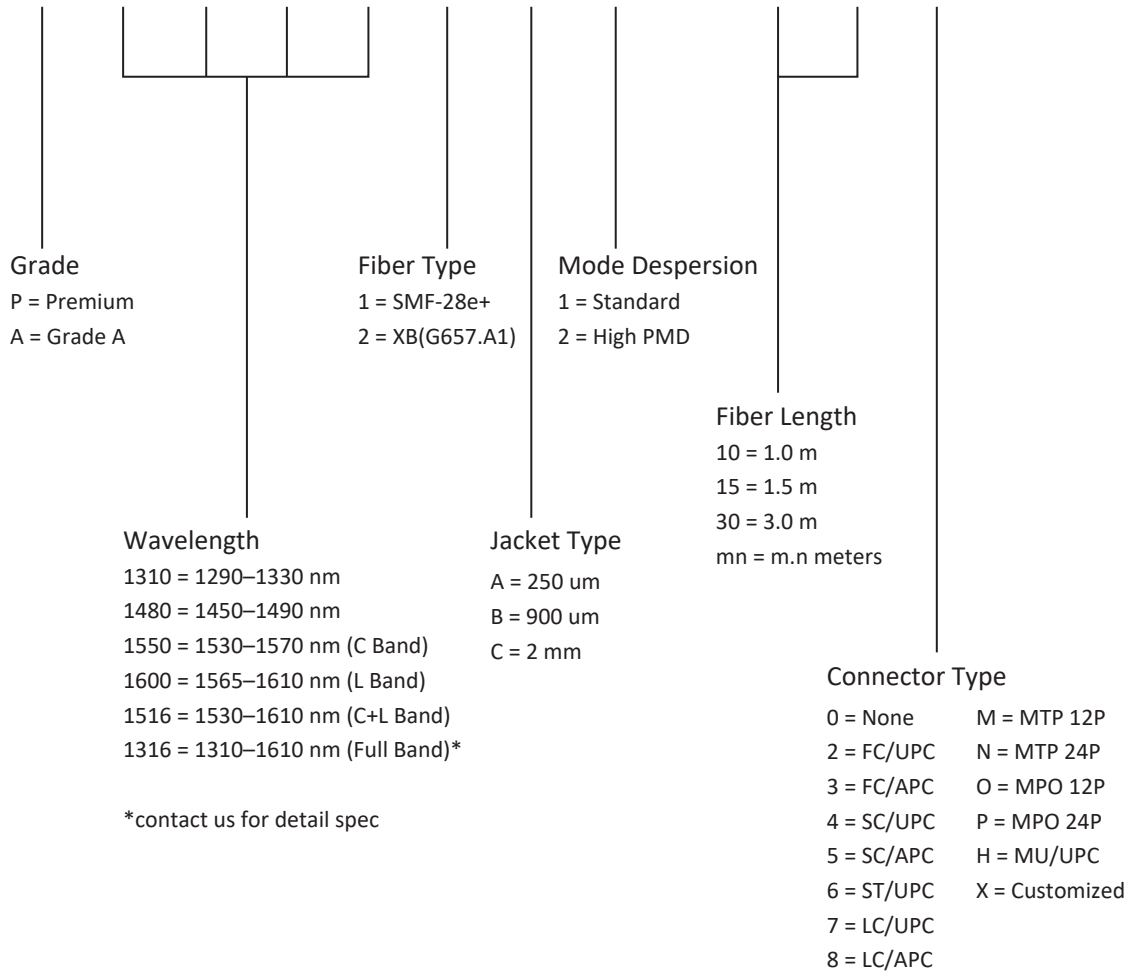


Unit: mm

# Circulator/ Isolator/ Hybrid Optical Circulator



## Part Number Scheme: Optical Circulator



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