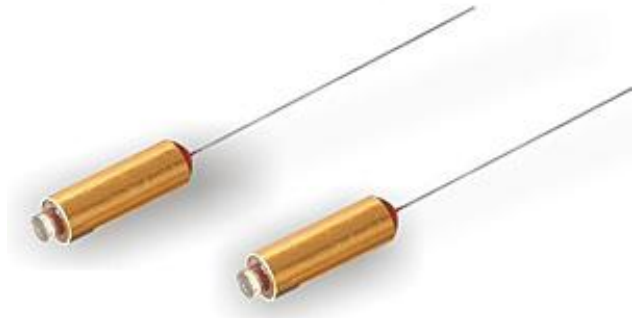


## High Power Collimator (1~10W)

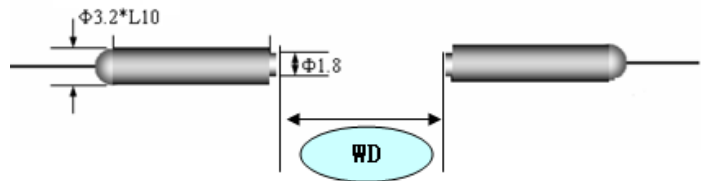
### 1. Features:

- Low Insertion Loss
- High Power Handling
- High Return Loss
- Excellent environmental stability and reliability



### 2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

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## 4. Specifications:

Parameters		Values		
Type		Standard		Long working distance
Working Distance (mm)		<20		<100
Grade		P	A	P
Insertion Loss( $\lambda_c, 23^\circ\text{C}$ ) (dB) ( $\lambda_c$ @ 1310&1550nm)	Typ.	0.20	0.25	0.35
	Max.	0.25	0.30	0.40
Insertion Loss( $\lambda_c, 23^\circ\text{C}$ ) (dB) ( $\lambda_c$ @ 980&1064nm)	Typ.	0.23	0.28	0.35
	Max.	0.28	0.35	0.45
Return Loss (dB)		60	55	
Dimensions (mm)		$\Phi 2.8 \times 9$ (without metal tube)		
		$\Phi 3.2 \times 10$ (with metal tube)		
Fiber Type		SM-28e or HI1060 or others		
Maximum Optical Power (W)		1, 3, 5, 10atc.		
Operating Temperature ( $^\circ\text{C}$ )		-40~85		
Storage Temperature ( $^\circ\text{C}$ )		-40~85		

\*The specifications are w/o connector.

\* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

\* For device with connector, key aligned to slow axis.

## 5. Product Ordering information:

HPCOLL	X	X	XXX	XX	X	X	XX	XX	XX
Product Description	Grade	Power	Working Distance	Operating Wavelength	Pigtail Type	Fiber Type	Connector Type	Package Size	Fiber Length
H=High	P	1=1W	005=5mm	06=1064nm	0=250um	13=PM13	0=None	2.8×9	05=0.5m
P=Power	A	3=3W	020=20mm	13=1310nm	1=900um	15=PM15	1=FC/UFC	3.2×10	08=0.8m
COLL=Collimator		.....	100=100mm	15=1550nm		98=PM98	2=FC/APC		10=1.0m
				98=980nm		4=others	3=SC/UPC		12=1.2m
							4=SC/APC		

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