

HR/AR Pigtail Coating (Fiber Optic Mirror)



Description

LD-PD can customize AR coating (anti reflective coated $R < 0.2\%$) or HR coating (high reflective thin film optical coated for different wavelength bands). And we now can do Bare optical fiber polishing, super cleanses surface, flat or angle polish tip Single mode optical fiber, and Polarization Maintaining optical fiber cables (PM fiber Panda) AR coated. This coating pigtails widely used in Fiber laser pump source diode laser optical fiber tail coupling, High power laser mirror, lens AR or Dichroic coated.

Features

- Single Fiber, Dual-Fibers, Three-Fibers, Pigtails are available with various
- Fiber types including SMF, PM, HI1060, Colored Fibers etc.
- Typical Diameter: 1.0mm, 1.8mm
- Surface Quality: 0-0 at fiber core
- AR, PR, HR coating are available at O, S, C and L band
- PM Fiber Pigtail with ER > 26dB

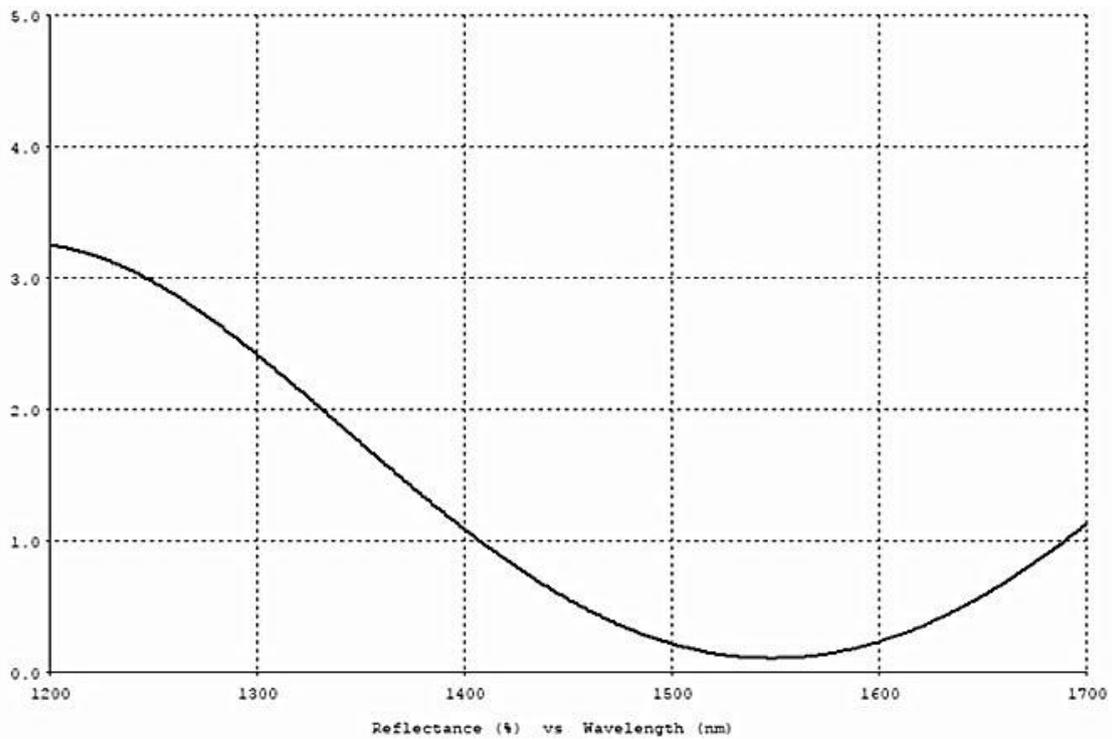
Application

- Fiber Mirror
- Fiber Sensing

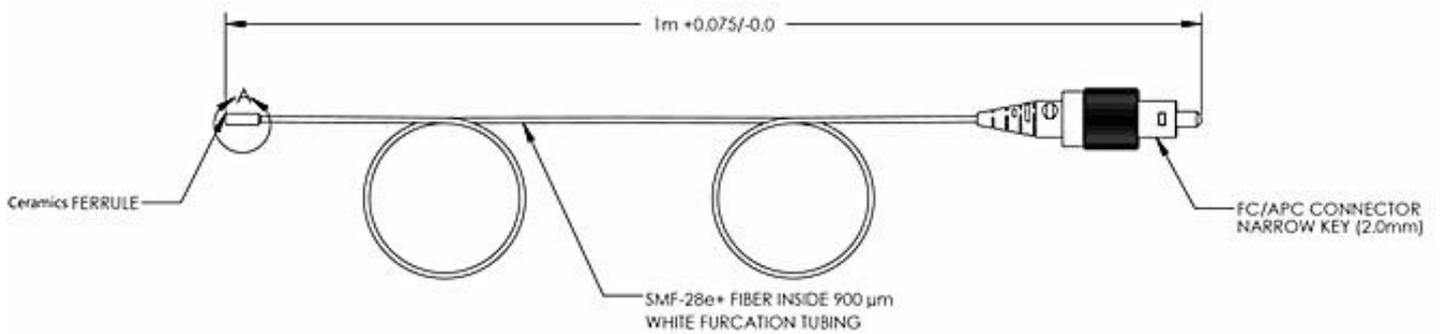
Physical/Optical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit
Centre Wavelength	λ	900	1550.0	1700.5	nm
Bandwidth	Bw	100	150	200	nm
Reflectivity	Rf	0.1	99	99.9	%
Fiber Type		HI1060/SMF-28E			
Handling Power	Pf	500	1000	5000	mW
Fiber Length	L	0.5	1		m
Connector	FC/APC or FC/PC				

Typical characteristic curve **Responsivity, R (A/W)**



Dimensions and Pin definitions



SMF-28E Fiber Nominal Characteristics and Tolerances

Parameters	Specification
Cut off wavelength	920nm
Max Attenuation	2.1dB/km
Cladding Diameter	125um
Coating Diameter	250um
Core Cladding Concentricity	≤0.5um
Mode Field diameter	9.5um

Absolute Maximum Ratings

Item	Symbol	Unit	Min	Typ	Testing Condition
Axial Pull Force		N	-	-	3x10s
Side Pull Force		N	-	-	3x10s
Fiber Bend Radius			16mm		-
Store Temperature	T _{STG}	°C	-40	-	2000hr
Operating Temperature	T _{OP}	°C	-55	-	
Relative Humidity	RH		5%	-	Noncondensing

Ordering Info**PL- □□□□-☆-▽-XX**

□□□□: Central Wavelength

980: 980nm

1310: 1310nm

1550: 1550nm

1700: 1700nm

2100: 2100nm

☆ :Coating

HR: High Reflective

AR: Anti-reflective

▽: Reflectivity

0.1: 0.1%

1.0: 1%

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99.9: 99.9%

XX: Package/Fiber and Connector Type

FSN=SMF-28E Fiber coupled+ None

FSA=SMF-28E Fiber coupled+ FC/APC

FSP=SMF-28E Fiber coupled + FC/PC

FPP=PM Fiber Fiber coupled + FC/PC

FPA=PM Fiber Fiber coupled + FC/APC