

Pure Silica Core Polarization-Maintaining Fiber: 350 nm to 780 nm

These PM fibers have a pure silica core, which provides protection from radiation-induced damage and color center formation.

ITEM#	OPERATING WAVELENGTH*	MODE FIELD DIAMETER**	CUTOFF WAVELENGTH	BEAT LENGTH	ATTENUATION	CLADDING ±1 µm	COATING ±15 µm	STRIPPING TOOL
PM-S350-HP	350-460 nm	2.3 µm @ 350 nm	<340 nm	1.5 mm @ 350 nm	N/A	125	245	T06S13
PM-S405-HP	400-500 nm	3.2 µm @ 405 nm 3.5 ± 0.3 µm @ 460 nm	365 ± 25 nm	1.8 mm @ 405 nm	<50 dB/km @ 405 nm	125	245	T06S13
PM-S630-HP	630-780 nm	4.2 ± 0.5 µm @ 630 nm	580 ± 40 nm	4.7 mm @ 630 nm	<12 dB/km @ 630 nm	125	245	T06S13

*Nominal

**1/e² fit - near field

ITEM#	PRICE/m	\$	£	€	RMB
PM-S350-HP	1 to 9 m	\$ 33.00	£ 22.75	€ 29.35	¥ 278.60
	10 to 49 m	\$ 26.40	£ 18.20	€ 23.50	¥ 222.90
	50 to 249 m	\$ 23.10	£ 15.95	€ 20.55	¥ 195.00
	250 to 999 m	Call	Call	Call	Call
PM-S405-HP	1 to 9 m	\$ 30.00	£ 20.70	€ 26.70	¥ 253.20
	10 to 49 m	\$ 24.00	£ 16.55	€ 21.35	¥ 202.60
	50 to 249 m	\$ 21.00	£ 14.50	€ 18.70	¥ 177.30
	250 to 999 m	Call	Call	Call	Call

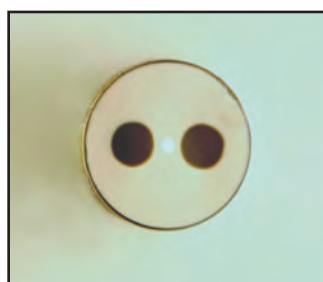
ITEM#	PRICE/m	\$	£	€	RMB
PM-S630-HP	1 to 9 m	\$ 27.00	£ 18.65	€ 24.05	¥ 227.90
	10 to 49 m	\$ 21.60	£ 14.90	€ 19.20	¥ 182.40
	50 to 249 m	\$ 18.90	£ 13.05	€ 16.80	¥ 159.60
	250 to 999 m	Call	Call	Call	Call

Polarization-Maintaining Fiber, Panda by



Polarization-Maintaining Fiber: 460 nm to 1100 nm

Thorlabs offers bow-tie and panda style polarization-maintaining fibers for laser pigtailed, sensors, spectroscopy, biomedical, and many other research applications. They have high birefringence to ensure that the linear polarization state is maintained over the entire length of the fiber, even with environmentally induced stresses on the fiber. These fibers minimize bend-induced losses that typically occur when the fiber is bent or coiled tightly.



Panda PM Fiber



Bow-Tie PM Fiber

Polarization-Maintaining Fiber, Panda

ITEM#	OPERATING WAVELENGTH	MODE FIELD DIAMETER*	CUTOFF WAVELENGTH	BEAT LENGTH	ATTENUATION	CLADDING ±1 µm	COATING ±15 µm	STRIPPING TOOL
PM460-HP	460-700 nm	3.3 ± 0.5 µm	410 ± 40 nm	1.3 mm @ 460 nm	<100 dB/km @ 488 nm	125 µm	245 µm	T06S13
PM630-HP	620-820 nm	4.5 ± 0.5 µm	570 ± 50 nm	1.8 mm @ 630 nm	<12 dB/km @ 630 nm	125 µm	245 µm	T06S13
PM780-HP	770-1100 nm	5.3 ± 1.0 µm	710 ± 60 nm	2.4 mm @ 850 nm	<4 dB/km @ 850 nm	125 µm	245 µm	T06S13

*Mean value calculated from the relative specifications

Polarization-Maintaining Fiber, Bow-Tie

ITEM#	OPERATING WAVELENGTH	MODE FIELD DIAMETER*	CUTOFF WAVELENGTH	BEAT LENGTH	ATTENUATION	CLADDING ±1 µm	COATING ±12 µm	STRIPPING TOOL
HB450	480-514 nm	3.6 µm	350-470 nm	<2.0 mm	<100 dB/km	125 µm	245 µm	T06S13
HB600	633-688 nm	3.2 µm	500-600 nm	<2.0 mm	<15 dB/km	125 µm	245 µm	T06S13
HB750	780 nm	4.0 µm	610-750 nm	<2.0 mm	<8 dB/km	125 µm	245 µm	T06S13

*Mean value calculated from the relative specifications

Polarization-Maintaining Fiber, Panda by



ITEM#	PRICE/m	\$	£	€	RMB
PM460-HP	1 to 9 m	\$ 27.30	£ 18.85	€ 24.30	¥ 230.50
	10 to 49 m	\$ 21.85	£ 15.10	€ 19.45	¥ 184.50
	50 to 249 m	\$ 19.65	£ 13.55	€ 17.50	¥ 165.90
	250 to 999 m	Call	Call	Call	Call
PM630-HP	1 to 9 m	\$ 19.60	£ 13.50	€ 17.45	¥ 165.50
	10 to 49 m	\$ 16.65	£ 11.50	€ 14.80	¥ 140.60
	50 to 249 m	\$ 14.70	£ 10.15	€ 13.10	¥ 124.10
	250 to 999 m	Call	Call	Call	Call
PM780-HP	1 to 9m	\$ 19.60	£ 13.50	€ 17,45	¥ 165.50
	10 to 49 m	\$ 16.50	£ 11.40	€ 14,70	¥ 139.30
	50 to 249 m	\$ 14.45	£ 9.95	€ 12,85	¥ 122.00
	250 to 999 m	Call	Call	Call	Call

Polarization-Maintaining Fiber, Bow-Tie by



ITEM#	PRICE/m	\$	£	€	RMB
HB450	1 to 9 m	\$ 18.80	£ 12.95	€ 16,75	¥ 158.70
	10 to 49 m	\$ 16.00	£ 11.05	€ 14,25	¥ 135.10
	50 to 249 m	\$ 13.15	£ 9.05	€ 11,70	¥ 111.00
	250 to 999 m	Call	Call	Call	Call
HB600	1 to 9 m	\$ 18.80	£ 12.95	€ 16,75	¥ 158.70
	10 to 49 m	\$ 16.00	£ 11.05	€ 14,25	¥ 135.10
	50 to 249 m	\$ 13.15	£ 9.05	€ 11,70	¥ 111.00
	250 to 999 m	Call	Call	Call	Call
HB750	1 to 9 m	\$ 18.80	£ 12.95	€ 16,75	¥ 158.70
	10 to 49 m	\$ 16.00	£ 11.05	€ 14,25	¥ 135.10
	50 to 249 m	\$ 13.15	£ 9.05	€ 11,70	¥ 111.00
	250 to 999 m	Call	Call	Call	Call