

Polarization Maintaining Filter Coupler

1x2, 2x2

Specification

Parameter		Unit	Value							
Configuration			1x2				2x2			
Center Wavelength		nm	780	850	980,1030, 1064	1310,1480 ,1550	780	850	980,1030, 1064	1310,1480 ,1550
Bandwidth		nm	±20	±20	±20	±40	±20	±20	±20	±40
Max. Excess Loss		dB	1.3	1.2	0.8	0.7	1.3	1.2	0.8	0.7
Max Uniformity (for 50/50)		dB	0.6	0.6	0.5	0.4	0.6	0.6	0.5	0.4
Tap Ratio			1±0.2%, 2±0.4%, 5±1.0%, 10%, 20%, 30%, 40% and 50% or Specify							
Min. Extinction Ratio	Both Axis Working		18	20	20	20	18	20	20	20
	Fast Axis blocked		20	22	22	22	20	22	22	22
Min. Return Loss		dB	50							
Max. Optical Power		mW	300							
Fiber Type	Tap port2 for 1x2		SMF-28e or PM1310 for 1310nm; SMF-28e or PM1550 for 1550nm; HI 1060 or PM980 for 980nm & 1064nm; HI 780 or PM850 for 850nm							
	Tap port2 & 4 for 2x2		PM1310 for 1310nm; PM1550 for 1550nm; PM980 for 980nm&1064nm; PM850 for 850nm							
	Port1 & 3		PM1310 for 1310nm; PM1550 for 1550nm; PM980 for 980nm&1064nm; PM850 for 850nm							
Package Dimension		%	5.5x35 for bare fiber, 5.5x38 for 0.9mm jacket, module box 90x20x9.5							
Operating Temperature		°C	-5 to +70							
Storage Temperature		°C	-40 to +85							

Above specification is for device without connectors.

PM fiber and connector key are aligned to the slow axis. And for F type, fast axis is blocked.

Device with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

Package Dimension

