

Polarization Maintaining Isolator/Tap Hybrids

Model #: PMIT

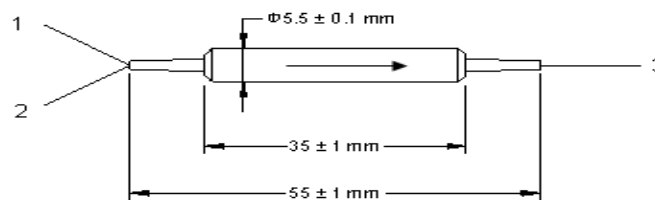
Description: Polarization maintaining isolator/tap hybrids

Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications			
		Single Stage	Dual Stage	Single Stage	Dual Stage
Operating Wavelength	nm	1310, 1480 or 1550 ± 15		1064	
Max. Access Loss	dB	0.8	0.9	1.8	2.8
Tap Ratio	%	1 ± 0.2; 2 ± 0.4; 4 ± 0.8; 5 ± 1.0; 10 ± 2.0			
Typ. Peak Isolation	dB	40	55	40	55
Min. Isolation ($\lambda c \pm 10$ nm, 23 °C, all polarization states)	dB	30	45	35	45
Min. Polarization Extinction Ratio	dB	20			
Min. Directivity	dB	50			
Min. Return Loss	dB	50			
Max. Optical Power (CW)	mW	300			
Max. Tensile Load	N	5			
Operating Temperature	°C	-5 to +70		-5 to +50	
Storage Temperature	°C	-40 to + 85			
Dimension	mm	5.5 (D) x 35 (L)			
Fiber Type	Tap Port	SMF-28 fiber or PM Panda fiber		HI 1060 fiber or PM Panda fiber	
	Input and Output Port	PM Panda fiber			

Note: each connector may contribute extra 0.5 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.
 IL and Access Loss will be 0.2 dB higher if the tap port is HI 1060 fiber.



Order Information:

PMIT-A-BB-CC-D-E-F-G-H

A: isolator stage	BB: wavelength	CC: coupling ratio	D: connector type	E: fiber jacket	F- fiber type for tap	G: fiber length	H: Working axis
1 – single stage	06 – 1060 nm	01 – 1%	1 - FC/UPC	B - 250µm bare fiber	M – SMF-28	Q – 0.75 m	F – < fast axis blocked
2 – dual stage	31 – 1310 nm	02 – 2%	2 - FC/APC	L - 900 µm loss tube	P – Panda PM fiber	X - other	
	48 – 1480 nm	05 – 5%	3 - SC/UPC	X - other			
	55 – 1550 nm	10 – 10%	4 - SC/APC				
	XX - other	XX - other	N - none				
			X - other				