



TGG Based Polarization Maintaining Isolator

As a compact high performance component, the PHX's high power isolator provides low IL, high PDL(SM Type), high extinction ratio(PM Type), high reliability and environment stability. Benefited from the unique design of product and manufacturing process, the components improve optical performance with low cost. It is widely used in fiber lasers, EDFAs and other fiber optics communication equipment to suppress back reflection and back scattering. These isolators are Telcordia GR1209/1221 compliant. Non-standard product can be customized according to requirements.

Specifications

Parameters	Unit	Min	Typical	Max
Center Wavelength	nm	780,850,980,1030, 2000**		
Operating Wavelength Range	nm		±50	
Insertion Loss*	dB		0.6	1.2
Wavelength Dependent Loss	dB		0.25	0.5
Polarization Dependent Loss (SM)	dB		0.2	0.4
Isolation	dB	27	30, 35(SM)	
Cross Talk	dB		30	
Extinction Ratio (PM)	dB	20	25	
Power Handling **	W			1
Return Loss	dB	50	55, 35(MM)	
Tensile Load	N			5
Operation Temperature	°C	5		65
Storage Temperature	°C	-40		85
Fiber Type**	NA	HI780, HI1060, MM62.5/125, PM850 or PM980**		
Package Dimension**	mm	49.5 × 32 × 32mm, 67 × 32 × 31mm, 82 × 34 × 33mm, 90 × 34 × 33mm**		

*The above specification is without connector

**Other specifications can be made on customer request.



Ordering Information

ISO	XX	XX	X	X	XX	XX/XX
	Operating Wavelength	Power Level	Fiber Type	Fiber Jacket	Fiber Length	Connector
	78=780	01=1W	HI1060	0=250um	10=1m	FC/UPC
	85=850	05=5W	MM50/125	1=900um	15=1.5m	FC/APC
	98=980	...	PM850	S=specify	20=2m	SC/UPC
	03=1030		...		SS=specify	...
	