Fiber Mirror Partial Reflector (IFR / FMRS)

Features

- Low Insertion Loss
- Compact Size
- Environmental Stability

Applications

- Fiber Instruments
- Fiber Sensor

RoHS Reach

Specifications

Parameters	Unit	Values			
Center Wavelength [3]	nm	1310, 1490, 1550, 1064, 933, 578			
Bandwidth Range	nm	±50			
Reflection Percentage [1]		5%	10%	20%	50%
Insertion Loss Input Port to Reflect Port (Input Port)	dB	⩽13.4	⩽10.4	⩽7.6	⩽3.4
Insertion Loss Input Port to Output Port	dB	⩽0.72	⩽0.96	⩽1.5	⩽3.5
ER for PM Fiber Type [2]	dB	⩾20			
PDL for SM Fiber Type [2]	dB	⩽0.1			
Power Handling	mW	⩽500			
Fiber Type		SMF-28e, PM1550, PM1300, PM980, PM780, PM630			
Operating Temperature	℃	-5 ~ +70			
Storage Temperature	℃	-40 ~ +85			
Dimensions	mm	φ5.5×34			

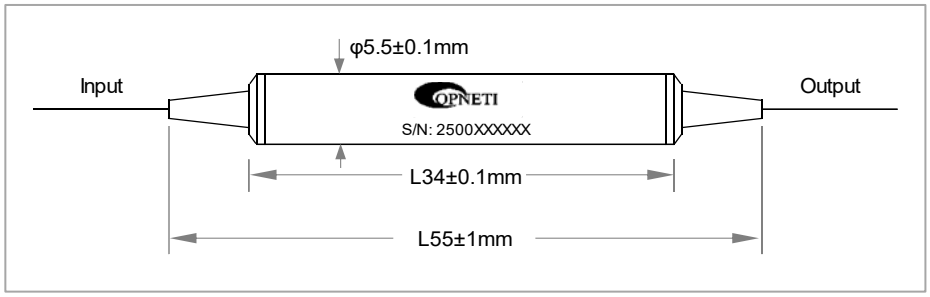
[1] Other Split ratio available on requests.

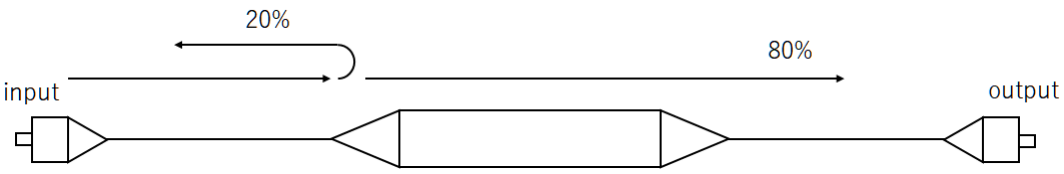
[2] Insertion Loss +0.2dB, Extinction Ratio -2dB if add connector.

* The default connector key is aligned to slow axis.

[3] for wavelength ⩽800nm, extra 1dB will be added on each port.

Package Dimensions





Ordering Information

FMRS-

IFR- ①①①①-②②-③③③-④-⑤-⑥⑥-⑦⑦⑦⑦⑦⑦

①	Wavelength	1310; 1490; 1550; 1064; 933; 578;
②	Reflection%	5%; 10%; 20%; 50%;
③	Pigtail Type	250=250μm Bare Fiber; 900=900μm loose tube; 3000=3mm Cable;
④	Fiber Type	1=SMF-28e; P15=PM1550; P13=PM1300; P98=PM980; P78=PM780; P63=PM630;
⑤	Length	1=1m;
⑥	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;