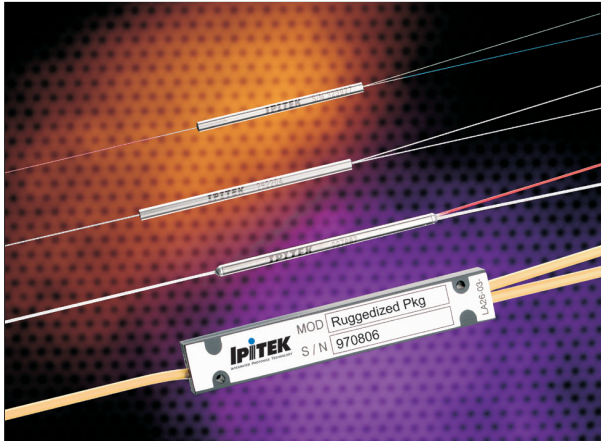


WAVELENGTH DIVISION MULTIPLEXERS

WDMs- 1310/1550, 1480/1550, 980/1550



- High Isolation (> 24 dB peak)
- Very High Isolation Available (>30 dB min)
- Low Insertion Loss
- 100% Full Passband Testing
- Environmentally Stable
- Excellent Directivity
- Various Packaging Options
 - Pigtailed
 - Modules (LGX, Siecior, Corning 6")
 - Rack Mount Chassis
 - Single, Duplex, Quad

APPLICATIONS

- Erbium Doped Fiber Amplifiers (EDFAs)
- Passive Optical Networks (PONs)
- Fiber Optic Sensors and Gyros
- CATV
- Telecommunications

OPTICAL PERFORMANCE PARAMETERS

Parameter	Unit	Min.	1310 / 1550	1480 / 1550	980 / 1550
Operating Wavelength	nm	-	1310 / 1550	1480 / 1550	980 / 1550
Operating Bandwidth	nm	-	±20	±20	±20
Insertion Loss	dB	Max.	0.4	0.4	0.4
Isolation	dB	Min.	16	12	16
Optical Return Loss	dB	Min.	55		
Polarization Dependent Loss	dB	Max.	0.2		
Optical Directivity	dB	Min.	55 (1x2) 65 (2x2)		
Operating Temperature	°C	-	-40 to +75		
Storage Temperature	°C	-	-40 to +85		
Fiber Type	-	-	SMF 28	SMF 28	Flexcore 1060

Pigtailed Packages

Package Style	Size	Buffer	Pigtail Length
#1	φ 3 x 60mm	250mm	1m
#2	φ 3 x 62mm	900mm	0.5m
Ruggedized	9 x 10 x 85mm	3mm	0.5m
Cassette	10 x 95 x 144mm	3mm	0.5m



ORDERING INFORMATION

I P - W * * 1 6 T * * * * - S * * * *

Operating Wavelengths

3 = 1310/1550
4 = 1480/1550
5 = 980/1550

Jacket or Buffer Type

S = Standard 250 μm
L = 900 μm loose tube
3 = 3mm kevlar

Minimum Isolation

16 = 1310, 1480
14 = 980

Port Configuration

0102 = 1x2
0202 = 2x2

Package

1P = 60 mm tube
2P = 62 mm tube
RP = Ruggedized
CP = Cassette
SB = Standard Module
LB = LGX module
NB = 19" 1U Rack Mount

Connector

S1 = SC-UPC
S3 = SC-APC
F1 = FC-UPC
F3 = FC-APC
T1 = ST
L1 = LC-UPC
E3 = E-2000

Please review your order with your IPITEK customer service representative for questions.

Please note: Not all combinations of packaging options are possible.

For WDMs packaged in modules, please also reference our Packaging Data Sheet.



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IPITEK reserves the right to modify product specifications without prior notification.