DATA SHEET
100GHz Dense Wavelength Division Multiplexing Filter Device

GOULD Fiber Optics

www.gouldfo.com
This is the New Power of Gould!
1121 Benfield Blvd., Millersville, MD 21108
Toll Free:800.54.GOULD
VOICE: 410.987.5600 FAX: 410.987.1201
EMAIL: info@gouldfo.com WEB: www.gouldfo.com

PRODUCT DESCRIPTION

Gould's 100GHz single channel add or drop only modules are designed for use in DWDM systems and CATV networks to add or drop a single wavelength channel. These modules are made with reliable dielectric thin film technology and offer low insertion loss, superior wavelength stability, high channel isolation, epoxy-free optical paths and completely passive operation.

FEATURES

- High Channel Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- Compact Size
- Environmentally Stable
- Bellcore Compliant

APPLICATIONS

- Add/Drop Systems
- Fiber Amplifier Systems
- DWDM

OPTICAL PARAMETERS*

Center Wavelength Operating Range		C & L Bands, ITU 100GHz Grid
Channels Spacing (GHz)		100
Transmission	Bandwidth λ p@0.5dB(nm)	ITU ± 0.12
	Reflect	1520 to λ c-0.68 & λ c+0.68 to 1620
	Insertion Loss (dB)	≤1.3
	Isolation (dB)	≥25
Reflection	Insertion Loss (dB)	≤0.4
	Isolation (dB)	≥12
Return Loss (dB)		≥45
Directivity (dB)		≥50
Polarization Dependent Loss (dB)		≤0.2
Polarization Mode Dispersion (ps)		≤0.1
Max. Thermal Stability (dB/^{o}C)		≤0.005
Thermal Wavelength Drift (nm/^{o}C)		≤0.0015
Optical Power (mW)		≤300
Tensile Load (N)		≤5
Operating Temperature (^{o}C)		0 to +65
Storage Temperature (^{o}C)		-40 to +85

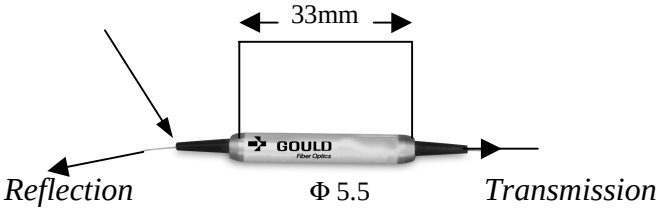
* Without connector loss

… continued
DWFD
100GHz

MECHANICAL PACKAGING DIAGRAM **(mm)**

(All dimensions are in mm; drawings are not to scale)

Common



ORDERING INFORMATION

DWDM - ___ - _0_ _1_ - _1_ - ___ - ___ ___ - ____ - ___ ___ ___

- Mux Type: D=Demux, M=Mux
- # Channels: 01, 04, 08, 16
- Channel Spacing: 1=100GHz, 2=200GHz, 3=50Ghz
- Pkg Type: S=Standard, L=LGX
- Lead Length: 10=1.0 m, 15=1.5 m
- Connector: 0=None, 1=MU, 2=ST, 3=FC, 4=SC, 5=LC, 6=FC/APC, 7=SC/APC, 9=LC/APC
- Start Channel # ITU Chart, i.e. C21

For custom options and additional information, please contact us at:

Phone: 1-410-987-5600
Fax: 1-410-987-1201
Web: www.gouldfo.com