

▶ Fiber Optic WDM's

▶ DESCRIPTION

Radiant Communications' Singlemode WDM's separate or combine the 1310nm and 1550nm wavelengths that are used in most singlemode systems. They can be factory terminated with back reflections as low as -60dB with PC Connectors or -70dB using APC Connectors. There are a variety of packaging options available. Two and three-stage WDM's for applications requiring ultra-high wavelength isolation are also available.



▶ BENEFITS

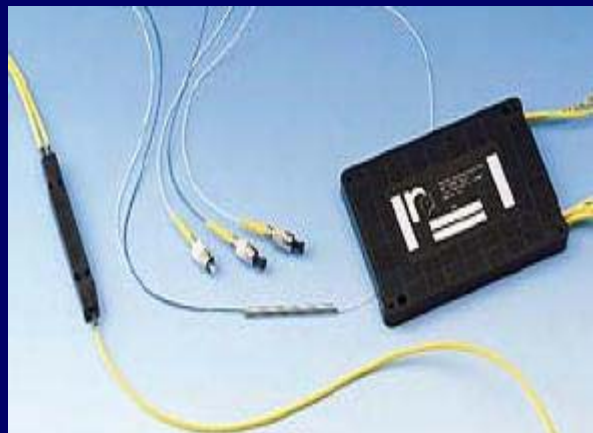
Separate or Combined Wavelengths

Low Excess Loss

▶ FEATURES

High Port Isolation

Low Insertion Loss



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3/2005

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SPECIFICATIONS

Grade	Standard	2-Stage	3-Stage
Insertion Loss (typ)	0.25dB	0.8dB	1.2dB
Directivity (typ)	60dB	70dB	80dB
Isolation (typ)	25dB	35dB	45dB
Bandpass	+/-20nm	+/-40nm	+/-40nm
Polarization Stability	0.1dB	0.1dB	0.1dB
Thermal Stability	0.1dB	0.1dB	0.1dB
Operating Temp	-40° to +75°C	-40° to +75°C	-40° to +75°C
Bare Fiber	3mmOD x 53mmL (0.12" x 2.09")		
Loose Tube	4mmOD x 63mmL (0.16" x 2.48")		
Ruggedized	12mmW x 9.5mmD x 95mmL (0.48" x 0.38" x 3.75")		
High Isolation	140mmL x 100mmW x 20mmD (5.5" x 4" x 0.40")		

ORDERING INFORMATION

PART NUMBER	GRADE	PACKAGING	CONNECTOR
WDM-(grade)-(packaging)_ (Connectorization)	C1315- One Stage *H1315- High Isolation	R- Bare Fiber L- Loose Tube RC- Ruggedized *H- High Isolation	A- SC/APC B- FC D- ST E- SC F- LC S- FC/NAPC Z- FC/APC

Note:

- * High Isolation WDM—must use high isolation packaging or modules
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D-ST
- ** ST is a registered trademark of AT&T
- Due to product enhancements, specifications are subject to change without notice



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