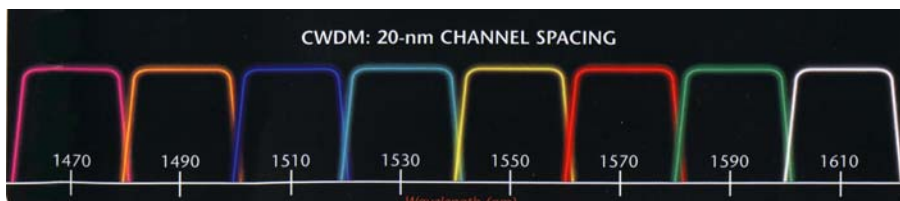


CWDM-1AD & 2AD Series

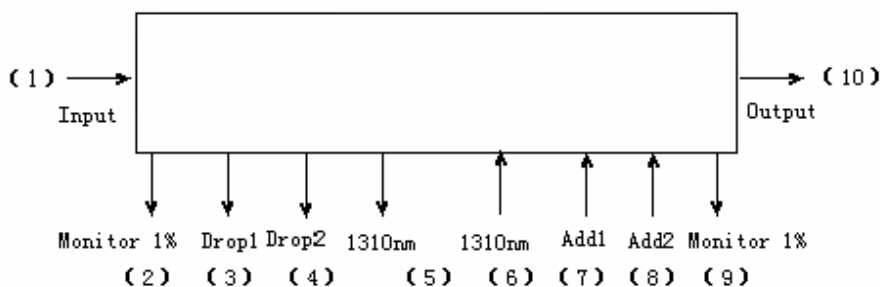
CWDM Optical Add & Drop Multiplexers



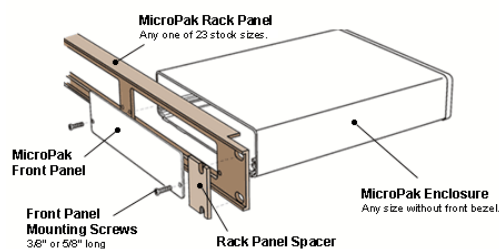
- Supports Add and Drop function for 1 or 2 CWDM wavelengths.
- Units available to **Add 1 Ch.**; **Add 2 Ch.**; **Add 1 Ch. & Drop 1 Ch.**; **Add 2 Ch. & Drop 2 Ch.**; **Drop 1 Ch.** and **Drop 2 Ch.**
- 20 nm channels spacing for standard CWDM.
- Epoxy-free optical path for durability and reliability.
- Thin-film filter technology used for low insertion loss and high isolation.
- Supported wavelengths include **1270, 1290, 310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590 and 1610 nm.**
- Optical performance guaranteed over the temperature range 0 to 70 degrees C.
- The Laser wavelength drift is less than +/- 3 nm over temperature.



STRUCTURE



RACK-MOUNT KITS, -RMT Triple Rack-mount:



In the USA and Canada call **1-(800)-4TV-TEST**
 191 Forest Avenue, Locust Valley, NY 11560-2132 USA
 1-(800)-488-8378, (516)-671-7278, FAX (516)-671-3362
E-Mail: sales@multidyne.com
Web Site: www.multidyne.com

SPECIFICATIONS

Parameter			Unit	Thin Film Coarse WDM	
Type				Add	Drop
Operating Wavelength			nm	1471,1491,1511,1531,1551,1571,1591,1611	
Central Wavelength Accuracy			nm	<±1	
In-band Ripple			dB	0.5	
Passband Width@0.5dB			nm	>13	
Insertion Loss	(1) to (3)	Drop.	dB	<0.6	
	(1) to (4)	Drop.	dB	<1.2	
	(1) to (5)	Drop.	dB	<1.8	
	(1) to (2)	Mon.	dB	<20.5	
	(6) to (10)	Add.	dB	<1.8	
	(7) to (10)	Add.	dB	<1.2	
	(8) to (10)	Add.	dB	<0.6	
	(6) to (9)	Mon.	dB	<21.5	
	(7) to (9)	Mon.	dB	<21	
	(8) to (9)	Mon.	dB	<20.5	
Adjacent Channel Isolation			dB	≥15	≥30
Non-adjacent Channel Isolation			dB	N/A	≥40
Polarization Dependent Loss		MAX.	dB	0.1	
Polarization Mode dispersion		MAX.	ps	0.1	
Return Loss		MIN	dB	50	
Directivity		MIN.	dB	50	
Temperature Stability		MAX.	dB/°C	0.005	
Temperature Wavelength Drift		MAX.	nm/°C	0.005	
Power Handling		MAX.	mW	300	
Tensile Load		MAX.	N	5	
Operating Temperature			°C	0~70	
Storage Temperature			°C	-40~85	
Package Dimension			mm	125×96×14	

ORDERING INFORMATION:

	Fiber Optic Accessories; WDM's, CWDM's, Add/Drop & Protection Switches (SIN 58-6)
CWDM-2000-18	Coarse Wave Division Multiplexer for 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm. Supports up to 18 wavelengths or channels per fiber optic cable. SC connectors. Requires the NEW corning SMF-28E CWDM enhanced Singlemode Fiber. (May require -RMD, -BLANK)
CWDM-2000-16	Coarse Wave Division Multiplexer for 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm. Supports up to 16 wavelengths or channels per fiber optic cable. SC connectors. Requires the NEW corning SMF-28E CWDM enhanced Singlemode Fiber. (May require -RMD, -BLANK)
CWDM-2000-9	Coarse Wave Division Multiplexer for 1310, 1470, 1490, 1510, 1530, 1550, 1570, 1590 and 1610nm. Supports up to 9 wavelengths or channels per fiber optic cable. SC connectors. (May require -RMD, -BLANK)
CWDM-2000-8	Coarse Wave Division Multiplexer for 1470, 1490, 1510, 1530, 1550, 1570, 1590 and 1610nm. Supports up to 8 wavelengths or channels per fiber optic cable. SC connectors. (May require -RMD, -BLANK)
CWDM-2000-4	Coarse Wave Division Multiplexer for 1470, 1490, 1510, 1530 or 1550, 1570, 1590 and 1610nm. Supports up to 4 wavelengths or channels per fiber optic cable. SC connectors. (Specify wavelengths) (May require -RMT, -BLANK)
CWDM-1A-1D-xxxx	Coarse Wave Division Multiplexer, 1 Channel ADD & DROP for 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm. Unit will Drop and then Add a CWDM wavelength. SC connectors. (Specify wavelength for xxxx) (May require -RMT, -BLANK)
CWDM-2A-2D-xxxx-xxxx	Coarse Wave Division Multiplexer, 2 Channel ADD & DROP for 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm. Unit will Drop and then Add a CWDM wavelength. SC connectors. (Specify wavelength for xxxx) (May require -RMT, -BLANK)
CWDM-1A-xxxx	Coarse Wave Division Multiplexer, 1 Channel ADD for 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm. Unit will Drop and then Add a CWDM wavelength. SC connectors. (Specify wavelength for xxxx) (May require -RMT, -BLANK)
CWDM-1D-xxxx	Coarse Wave Division Multiplexer, 1 Channel DROP for 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm. Unit will Drop and then Add a CWDM wavelength. SC connectors. (Specify wavelength for xxxx) (May require -RMT, -BLANK)
WDM-MM-ST	Wave Division Multiplexer, 850 and 1300nm Multi-mode, ST Connectors
WDM-SM-FC	Wave Division Multiplexer, 1300 nm and 1550 nm Single Mode, FC Connectors (Optional -ST or -SC connectors)
SPLIT50/50	Optical Splitter, 50/50 Gould
SPLIT50/50CWDM	Optical Splitter, 50/50, CWDM Band
FiberSwitch-1x2	1 by 2 CWDM Fiber Switch, Singlemode, 0 - 5 VDC activation (Specify ST, FC or SC connectors) (May require -RMT, -BLANK)
-RMT	Triple Rack-mount Kit (1 kit)
-RMD	Dual Rack-mount Kit (1 kit)
-BLANK	Blank panel for rack-mounting kit
FSW-KSTST-WB	A/B Protection Switch, ST/UPC Connectors, 1470-1610 nm, CWDM, Single Mode
FVM-19X175	Chassis, 2 FSW plug-in modules 1.75in for 19in rack
ACC-110-48V-A	110 VAC to -48V DC Power Converter Desktop Style



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