

## 4CH DWDM Mux Demux

DWDM Mux Demux is usually used for long-haul transmission where wavelengths are packed tightly together over the C-band, up to 48 wavelengths in 100GHz grid(0.8nm) and 96 wavelengths in 50GHz grid(0.4nm). It's protocol transparent and suit applications including 10/1G Ethernet, SDH/SONET, 16/8/4/2/1G Fibre Channel, FTTX and CATV.

Our DWDM Mux Demux are modular, saleable and are perfectly suited to transport PDH, SDH / SONET, ETHERNET services over WWDM, CWDM and DWDM in optical metro edge and access networks.

### Product features

- Low Optical Insertion Loss
- Mux/Demux Four/Eight wavelengths
- SC connectors for interfacing
- Reliable passive WDM optical technology
- Scales easily for ring networks
- Low-profile modular design
- Fits in 1RU 19" rack mount chassis
- Compliance with ROHS

### Product specification

Parameter	Unit	MUX/DEMUX
Channel Number	CH	4
Operating Wavelength	nm	1525~1565 Optional
Center Wavelength@ $\lambda_c$	nm	C Band ,ITU Grid
Channel Spacing	nm	0.8nm(100GHz)
Channel Insertion Loss	dB	$\leq 1.5$
Pass-band Bandwidth	nm	ITU $\pm 0.11$
Channel Ripple	dB	$\leq 0.5$
Adjacent Channel Isolation	dB	$\geq 30$
Non-Adjacent Channel Isolation	dB	$\geq 35$
Return Loss	dB	$\geq 50$
Directivity	dB	$\geq 50$

PDL	dB	≤0.15
PMD	ps	≤0.1
Power Handling	mW	≤500
Operating Temperature	°C	-10~+70
Storage Temperature	°C	-40 ~+85
Fiber Type	-	Corning SMF-28e Ultra
Package Size	mm	100x80x10

