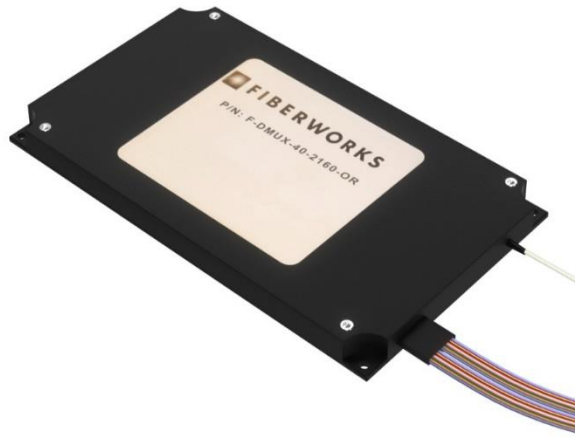


F-DMUX-40-O25LU

40 channel outdoor DWDM mux/demux



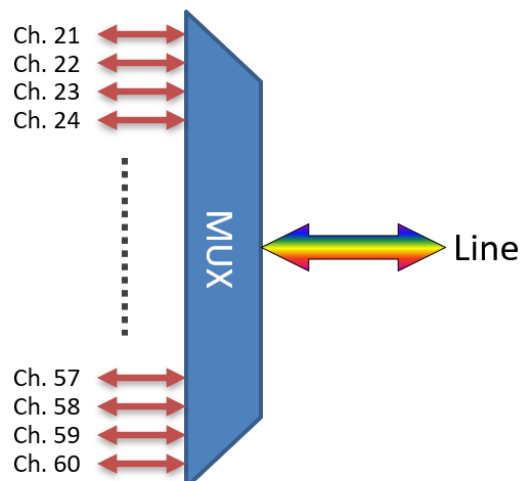
DESCRIPTION

This compact DWDM multiplexer or demultiplexer covers 40 DWDM channels in C-band. It is mounted in a rugged box for installation e.g. in splicing enclosures. The athermal technology ensures stable frequency and insertion loss characteristics over a wide temperature range. The client side fibers are bundled in 4 color coded ribbons for easy handling.

FEATURES

- Dense WDM in compliance with ITU-T G.694.1
- 40-channel DWDM mux/demux, 100 GHz spacing
- Based on athermal AWG technology with operating temperature range -40 to +85°C
- Gaussian channel profile
- Protocol transparent (support 1G, 10G etc.)
- 250 μm line side G.657.A1 pigtails with LC/UPC connectors (can be cut off)
- Client side fibers bundled in 4 color coded ribbons

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Insertion loss	dB	< 4.5
Channel spacing	GHz	100 (\approx 0.8 nm)
Center Wavelength Accuracy	nm	\pm 0.06
Channel Flatness	dB	< 0.4
Channel Passband (@ - 0.5 dB bandwidth)	nm	> 0.1
Channel Passband (@ - 1 dB bandwidth)	nm	> 0.2
Channel Passband (@ - 3 dB bandwidth)	nm	> 0.38
Channel Loss Uniformity	dB	< 1.5
Polarization Dependent Loss	dB	< 0.5
Polarization Mode Dispersion	ps	< 0.5
Channel Ripple	dB	< 1.8
Adjacent channel isolation	dB	> 25
Non-adjacent channel isolation	dB	> 30
Return Loss	dB	> 40
Power Handling	mW	300
Operating temperature	$^{\circ}$ C	-40 to +85
Storage temperature	$^{\circ}$ C	-40 to +85
Size (L x W x H)	mm	120 x 70 x 10

ORDERING INFORMATION

Product number	Description
F-DMUX-40-2160-O25LU	Fiberworks 40 ch. DWDM Mux/Demux module ITU ch. 21-60, 100 GHz, AWG, LC/UPC