ROC3-DWDM40S-M/D

AAWG DWDM 40channels simplex mux or demux card

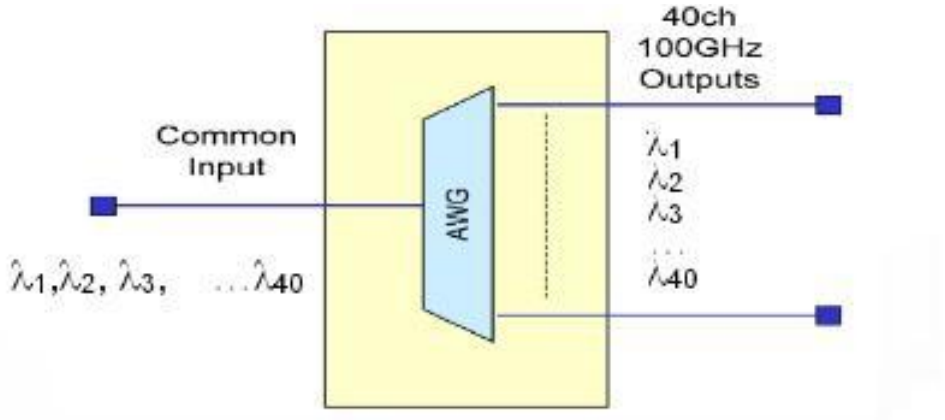
The ROC3-DWDM40S is an Athermal Array Waveguide Grating (AAWG) DWDM mux or demux. The AAWG technology allows a high number of DWDM channels (usually 40) to be implemented at a very low Insertion loss compared with traditional WDM muxes. DWDM technology provides a very high density of simultaneous optical channels over same fiber, dramatically increasing the capacity of the fiber. With its low cost, low power consumption and compact size features, AAWG is an ideal optical transmission solution.

Features

- Compact size, Hot Pluggable
- Very low insertion loss, Low PDL, High Channel Isolation
- High stability, high reliability

Applications

- WDM Systems/ Optical Transport
- MAN (Metropolitan Area Network)



Specifications & design are subject to change without prior notice. Please visit ROBOfiber website for more details.

ROBOfiber

Specifications

Parameters	Unit	ROC3-DWDM40S-M/D
Dimension	mm	160×200×43（WxDxH）
Maximal Power	W	9
Wavelength Range	nm	1529.55 ~ 1560.60
Channel Spacing	Ghz	100
Channel Passband	nm	±0.1
Passband Flatness	dB	≤ 0.5
Channel	λ	40
Insertion Loss	dB	≤ 6.5
Center Wavelength Accuracy	nm	≤ 0.05
Isolation	dB	Adjacent channel isolation ≥25 ; Non-adjacent channel isolation≥30;
Crosstalk	dB	≥21
Return Loss	dB	SM ≥ 40
PDL	dB	≤ 0.5
Polarization Mode Dispersion	ps	≤ 0.5
Optical Power	mw	≤ 500
Operating Temperature	℃	-5 ~ +55
Storage Temperature	℃	-20 ~ +70
Relative Humidity		5% ~ 95% (non-condensing)

Ordering Information: ROC3-DWDM40S-X

SKU	Description
ROC3-DWDM40S-M **ROC3-DWDM40S-D**	DWDM multiplexer, 40 ch ITU 100GHz grid, Ch21~60, single strand, LC/UPC connectors DWDM de-multiplexer, 40 ch ITU 100GHz grid, Ch21~60, single strand, LC/UPC connectors ROC3 series compatible