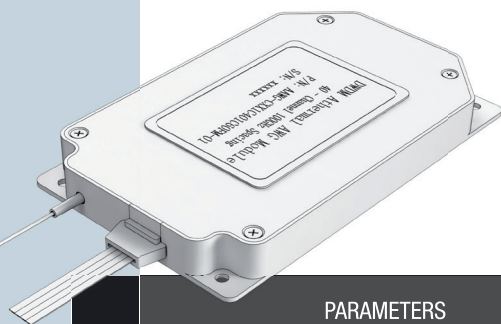




40-CH. 100GHZ ATHERMAL AWG MUX/DEMUX MODULE

AWG SERIES



Dense Wavelength Division Mux/Demultiplexer Modules are part of a series of high performance products based on silica-on-silicon planar technology and a unique athermal packaging design requiring no electrical power, software or temperature control for a completely passive DWDM solution. This product range offers a combination of very low loss and high channel isolation along with long term reliability and low cost per channel for 1×40 channel, 100GHz solutions.

SPECIFICATIONS

PARAMETERS	MIN	TYP.	MAX	UNIT
Number of Channels	1×40			-
Number Channel Spacing	100			GHz
Cha. Center Wavelength	C-band			nm
Clear Channel Passband	±0.1			nm
Wavelength Stability	±0.05			nm
-1 dB Channel Bandwidth	0.24	-	-	nm
-3 dB Channel Bandwidth	0.43			nm
Optical Insertion Loss at ITU grid	-	3.5	4.5	dB
Adjacent Channel Isolation	25	-	-	dB
Non-Adjacent, Channel Isolation	29	-	-	dB
Total Channel Isolation	22	-	-	dB
Insertion Loss Uniformity	-	0.8	1.5	dB
Insertion Loss Ripple			1.5	dB
Optical Return loss	40	-	-	dB
PDL Polarization Dependent Loss in Clear Channel Band		0.3	0.5	dB
Polarization Mode Dispersion	-	-	0.5	ps
Maximum Optical Power	-	-	23	dBm
MuxDemux input output Monitoring range	-35	-	+23	dBm
Operating Temperature	-5	-	65	°C
Operating Humidity	5		95	%RH
Storage Temperature	-40	-	+85	°C

1. IL Represents the worst case over a ±0.1nm window around the ITU wavelength.

2. PDL was measured on average polarization over a ±0.1nm window around the ITU wavelength.

3. Bandwidth measured from the peak of IL average.

CODE	TYPE		CHANNEL COUNT		CHANNEL SPACING		CONNECTOR TYPE		FIBER LENGTH	
F4M-AWG	GA	Gauss, Athermal	16	16 channels	05	50GHz	0	None	05	0.5 m
			24	24 channels	10	100GHz	A	SC/UPC	10	1m
			32	32 channels	S	Specify	B	SC/APC	S	Specify
			40	40 channels			C	FC/UPC		
			44	44 channels			D	FC/APC		
			48	48 channels			E	LC/UPC		
			S	Specify			Q	LC/APC		
							S	Specify		

Different input and output fibers, such as SM fibers, MM fibers and PM fiber can be selected to meet different applications.

ORDER CODE EXAMPLE

F4M-AWG-GA - 40 - S - 0 - 05

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