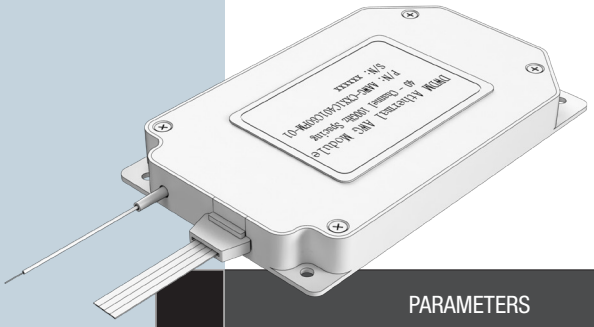
AWG SERIES

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



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
PDLPolarization 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.

F4M-AWG

CODE	TYPE	CHANNEL COUNT	CHANNEL SPACING	CONNECTOR TYPE	FIBER LENGTH
	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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