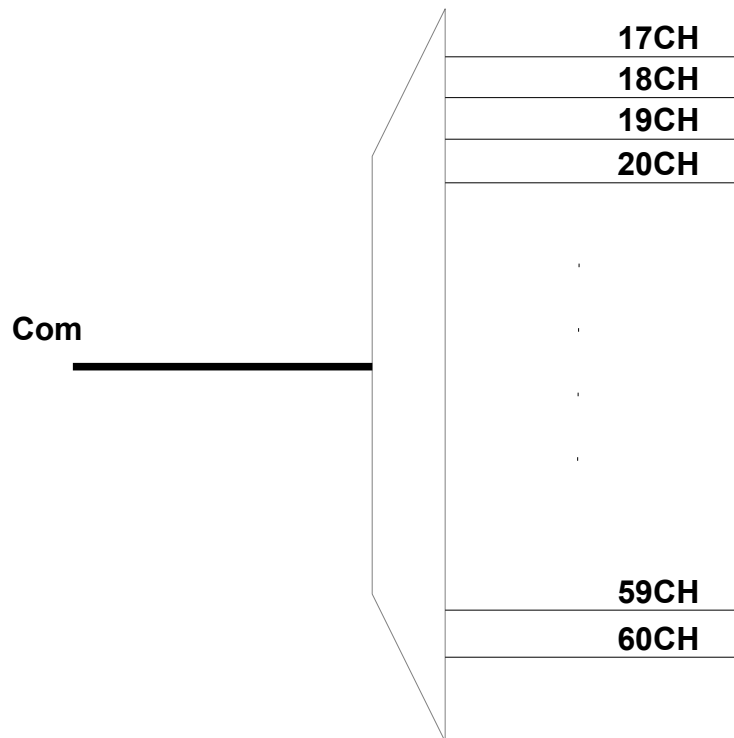


Athermal Array Waveguide Grating, 100GHz C-Band DWDM

мультиплексор/демультиплексор, 44 длин волн с 1529.55нм по 1563.86нм, 17CH-60CH



### Specifications

PARAMETER	SPECIFICATION			UNITS	NOTE
	MIN.	TYP.	MAX.		
Channels	44			CH	
Channel Spacing	100			GHz	
Reference Passband	-12.5		12.5	GHz	Centered at each ITU channel frequency
1dB Bandwidth	0.4			nm	1dB from min Insertion Loss, full width, unpolarized
Insertion loss			6.0	dB	Excluding connector IL
Insertion Loss Uniformity			1.5	dB	Loss uniformity among channels at ITU center
Ripple			0.5	dB	Maximum of the loss variance across the reference passband over

					all channels
Adjacent Channel Isolation	23			dB	Ratio of peak transmission to the maximum transmission over both adjacent passbands, at ITU grid frequency
Non-Adjacent Channel Isolation	30			dB	Ratio of peak transmission in channel passbands to maximum transmission over all non-adjacent passbands
Total Crosstalk	21			dB	Ratio of power in channel to power in all other passbands, at ITU grid frequency
Polarization Dependent Loss (PDL)			0.5	dB	Maximum insertion loss difference between all polarization states, within reference passband
Return Loss	40			dB	Ratio of input power in to the reflected power out
Maximum continuous optical power			250	mW	Maximum input optical power
Chromatic Dispersion (CD)	-20		+20	ps/nm	Maximum change rate of group delay versus wavelength within reference passband
Polarization Mode Dispersion (PMD)			0.5	ps	Averaged differential group delay within reference passband
First Channel Frequency		191.700		THz	
Last Channel Frequency		196.000		THz	

**AAWG-1-44-C17-1R-LCU**

**Optiset**

First Wavelength		1563.86		nm	
Last Wavelength		1529.55		nm	
Operation Temperature	-5		+65	°C	
Operation Humidity	5		95	%RH	
Storage Temperature	-40		+85	°C	
Storage Humidity	5		95	%RH	
Tensile Strength		5		N	Pull Strength
Pigtail Type					All ports SMF-28e
Connector Type					All ports LC/UPC

