

### AWG DWDM Module (AWG)

<b>Features</b>	
Low Insertion loss Accurate Channel Spacing Large channel number High stability and reliability	
<b>Application</b>	
WDM Transmission Metro and Long haul network	

**Specifications**

Type	Thermal	Athermal
Number of Channel(ch)	40	40
Channel Spacing (GHz)	100	
Center Wavelength (nm)	ITU Grid	
Wavelength Accuracy(nm)	$\pm 0.04$	$\pm 0.05$
1dB Pass Band(nm)	$\geq 0.4$	$\geq 0.38$
3dB Pass Band(nm)	$\geq 0.6$	$\geq 0.58$
20dB Pass Band(nm)	$\leq 1.2$	--
Insertion Loss (dB)	$\leq 5.5$	$\leq 5.5$
Ripple (dB)	$\leq 0.5$	$\leq 0.5$
Loss Uniformity (dB)	$\leq 1.0$	$\leq 1.5$
Adjacent Cross-Talk (dB)	$\geq 25$	$\geq 23$
Non-Adjacent Cross-Talk (dB)	$\geq 30$	$\geq 30$
Total Cross-Talk (dB)	$\geq 22$	$\geq 21$
PMD (dB)	$\leq 0.5$	$\leq 0.5$
Chromatic Dispersion (ps/nm)	$\pm 15$	$\pm 20$
PDL (dB)	$\leq 0.5$	$\leq 0.5$
Return Loss (dB)	$\geq 40$	$\geq 40$
Supply Voltage (v)	5.0 $\pm$ 0.25 DC	--
Power Consumption (stable stage) (W)	$\leq 6$	--
Power Consumption (startup stage) (W)	$\leq 12.5$	--
Pigtail Type	Input 900um loose tube Output : Fanout +900um loose tube	
Operation Temperature ( °C)	-5~+65	
Storage Temperature( °C)	-40~+85	
Package (mm)	150x65x16	120x70x11

**Ordering Information**

AWG	Channel Space	Passband Profile	Type	Channel Number	Start ITU Channel	Pigtail Type	Length	Connector
	1=100Ghz	F=Flat-Top	A=Athermal type. T=Thermal Type	32=32 channel 40=40 channel 48=48 channel	C21 C22 .....	900=900um loose tube	1= 1m	NE=None FC=FC/UPC SC=SC/UPC FA=FC/APC SA=SC/APC ST=ST/UPC LC=LC/UPC xx=Others