

POSA

Auxora's POSA(DEMUX ASSEMBLY) product family consists of multiple configurations, including POSA-CT (CWDM Tx), POSA-CR (CWDM Rx), POSA-LT (LWDM Tx) and POSA-LR (LWDM Rx) etc.

“With the fast deployment of high capacity intra-connections and inter-connections in data centers, there is an increasing demand for 400Gb/s and 800Gb/s data rate capacity. However, single channel (wavelength) electrical modulated 400Gb/s is very expensive, let alone pre-mature single channel 800Gb/s modulation. TFF (Thin Film Filter) based CWDM and LWDM filter block technology provide a more mature and cost-effective solution”

POSA product family has leveraged Auxora's expertise in optical thin film filter coating, filter block assembly as well as TFC's expertise in receptacle. This is an ideal solution for customers who want to solve the problem of insertion loss and isolation for 400Gb/s and 800Gb/s.



FEATURES

- Low Insertion Loss
- High channel isolation
- Less temperature dependency.
- Exceptional reliability and stability
- Telcordia GR-1221/1209-CORE Compliant

APPLICATIONS

- 400G 、 800G Transceivers

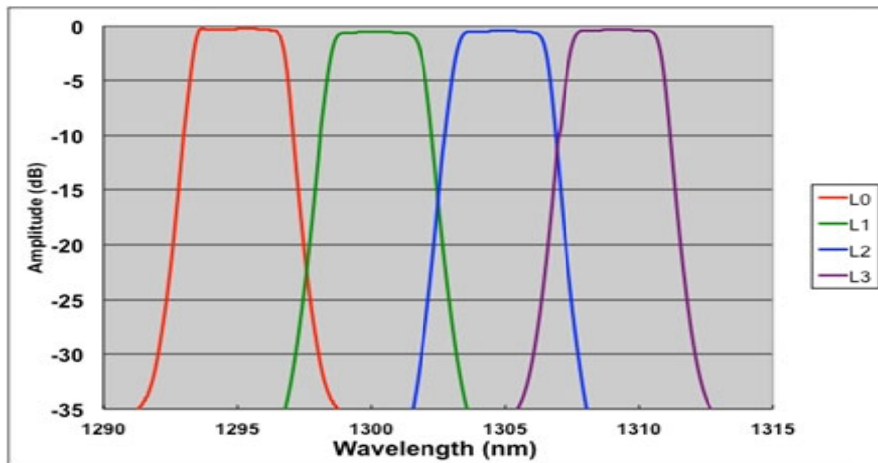
SPECIFICATIONS

POSA(DEMUX ASSEMBLY)			
Parameters	Unit	CWDM	LAN-WDM
Channels	-	4CH	4CH
Center Wavelength CH1/CH2/CH3/CH4	nm	1271/1291/1311/1331	1295.56/1300.05/1304.58/1309.14
Passband (1 dB)	nm	$\geq CW \pm 6.5$	$\geq CW \pm 1.1$
Insertion Loss @ passband	dB	≤ 1.2	≤ 1.2
Adjacent Channel Isolation	dB	26	26
Total Crosstalk	dB	25	25
Return Loss	dB	40	40
Polarization Dependent Loss@ passband	dB	≤ 0.25	≤ 0.25
Output Beam Pitch	um	750	750
Operation Temperature	°C	0~+75	
Storage Temperature	°C	- 40 ~ + 85	

Package Diagram (mm):



Spectrum:



Ordering Information:

- Auxora can customize and provide various types of POSA products and solutions. If you have any requirements for this product, please contact us. sales@auxora.com or saleschina@auxora.cn