

# 10-Channel CWDM Multiplexer AGX Module

LBCC-10-X-43-AGX-XX SERIES



Lindsay's LBCC 10-channel CWDM multiplexer AGX modules combine and/or separate up to 10 CWDM wavelengths in a single-width AGX module for upstream and downstream wavelength transmission.

## FEATURES

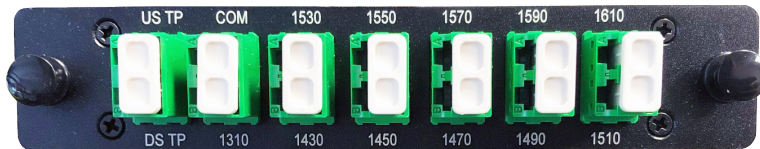
- Combines/separates up to 10 channels with 20 nm spacing
- 10 channels (1430-1610 nm in 20 nm steps)
- Low insertion loss
- High isolation
- Low Polarization Dependent Loss (PDL)
- Small LBX footprint
- Good channel-to-channel uniformity
- Optional integrated 1310 nm combiner port
- Optional downstream & upstream test points: -20 dB
- High reliability & stability



AGX module (front angled view)

## COMPLIANCE

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS



AGX module (front view)

## ORDERING INFORMATION

	# of Channels	Module Type	Initial Wavelength	Package	Optical Connector
LBCC	10	X	43	AGX	XX
		F = mux/demux	43 = 1430 nm	Customized LGX module	LA = LC/APC
		1 = mux/demux + 1310 port			LU = LC/UPC
		2 = mux/demux + 1310 port + US/DS mon ports			



## SPECIFICATIONS

Parameter	Specification		
	No TP	TP	
Center Wavelength	1310 / $\lambda 1$ - $\lambda 10$ nm		
Passband	1310 $\pm$ 40 & ITU $\pm$ 6.5 nm		
Operating Wavelength	1260-1620 nm		
Channel Space	20 nm		
Insertion Loss	CWDM Channel	< 2.2 dB	< 2.6 dB
	1310 nm Channel	$\leq$ 1.8 dB	$\leq$ 1.9 dB
Monitor Ports	US Test Point	n/a	-20 $\pm$ 2.0 dB
	DS Test Point	n/a	-20 $\pm$ 2.0 dB
Isolation	Adjacent Channel	> 35 dB	
	Non-Adjacent Channel	$\geq$ 45 dB	
	1310 nm Channel	$\geq$ 45 dB	
Directivity	> 50 dB		
Ripple	< 0.5 dB		
Polarization Dependant Loss (PDL)	< 0.2 dB		
Polarization Mode Dispersion (PMD)	< 0.1 ps		
Return Loss	> 45 dB		
Connectors	LC/APC, LC/UPC		
<b>Power, Environmental &amp; Physical</b>			
Maximum Optical Power	< 300 mW		
Operating Temperature	-40°C to +85°C (-40°F to +185°F)		
Storage Temperature	-40°C to +85°C (-40°F to +185°F)		
Dimensions (H x W x D)	5.1"H x 0.9"W x 5.0"D (12.9H x 2.5W x 212.8D cm)		
Weight	0.5 lb (0.3 kg)		