

## 10 CHANNEL CWDM MULTIPLEXER MODULE

LBCC-10-1-43-AGX-SA    LBCC-10-1-43-AGX-LA

### FEATURES

- Combines/separates 10 channels with 20 nm spacing. Includes 1310nm filter port
- 10CH (1430nm – 1610nm in 20nm spacing)
- Low Insertion Loss
- High Isolation
- Low PDL
- LC connectors: (102x130x25mm)
- SC connectors: (102x130x53mm)
- Good channel-to-channel uniformity
- High Reliability and Stability



### APPLICATIONS

- CWDM System
- PON Networks
- CATV Links

### COMPLIANCE

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

### MECHANICAL DIMENSIONS

- LC connectors: (102x130x25mm)
- SC connectors: (102x130x52mm)

### SPECIFICATIONS

PARAMETER		SPECIFICATION
Center Wavelength (nm)		1310 / $\lambda 1 \sim \lambda 10$
Passband (nm)		1310 $\pm$ 40 & ITU $\pm$ 6.5
Operating Wavelength (nm)		1260~1620
Channel Space (nm)		20
IL (dB)	CWDM Channel	<2.2
	1310nm Channel	$\leq$ 1.8
Isolation (dB)	Adjacent Channel	>35
	Non-Adjacent Channel	$\geq$ 45
	1310nm Channel	$\geq$ 45
Directivity (dB)		>50
Ripple (dB)		<0.5
PDL (dB)		<0.2
PMD (ps)		<0.1
RL (dB)		>45
Maximum Optical Power (mw)		<500
Operating Temperature (°C)		-40~85
Storage Temperature (°C)		-40~85
Package (mm)	LC connectors	(102x130x25)
	SC connectors	(102x130x53)
Connectors		SC/APC,LC/APC

Note: specified with connectors

Specifications subject to change without prior notice

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### ORDERING MATRIX

		# of CH	Module Type		Initial Wavelength	Package	Optical Connector			
LBCC	-	XX	-	X	-	XX	-	AGX	-	XX
		8		M = Mux/Demux		43=1430nm				LA= LC/APC
		10		1= Mux/Demux + 1310 port		45=1450nm				SA= SC/APC
				2= Mux/Demux + 1310 port + Mon port		47=1470nm				

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