



EQUIPMENT DATA SHEET: 1x4 and 1x8 Dual Window Single Mode Coupler

5728 Major Blvd.
Suite 307
Orlando, FL 32819

PH: 407-447-1140
FX: 407-447-1184
www.cobian-etc.com

Contact:

Kameel Wakim,
Chief Technology Officer
kwakim@cobian-etc.com

DESCRIPTION

Product Function

Single mode 1x4, 1x8 coupler

Related Product List

CUSTOMER CODE	CUSTOMER P/N
/	STSC-14-135-40-L-SC/APC
/	STSC-18-135-40-L-SC/APC

OPTIC SPECIFICATION

STSC-14-135-40-L-SC/APC (1x4 coupler)

ITEM	PARAMETERS	MIN	MAX	UNIT	NOTE
2.1	Operating Wavelength	1310±40 & 1550±40		nm	
2.2	Insertion Loss (without connector)	25%		7.3	dB
		25%		7.3	dB
		25%		7.3	dB
		25%		7.3	dB
2.3	Return Loss	45		dB	
2.4	Directivity	50		dB	
2.5	PDL		0.3	dB	

STSC-18-135-40-L-SC/APC (1x8 coupler)

ITEM	PARAMETERS	MIN	MAX	UNIT	NOTE
2.1	Operating Wavelength	1310±40 and 1550±40		nm	
2.2	Split Ratio	Even			
2.2	Insertion Loss (without connector)		11.0	dB	
2.3	Return Loss	45		dB	
2.4	Directivity	50		dB	
2.5	PDL		0.3	dB	



EQUIPMENT DATA SHEET: 1x4 and 1x8 Dual Window Single Mode Coupler

5728 Major Blvd.
Suite 307
Orlando, FL 32819

PH: 407-447-1140
FX: 407-447-1184
www.cobian-etc.com

Contact:

Kameel Wakim,
Chief Technology Officer
kwakim@cobian-etc.com

OPERATION/STORAGE TEMPERATURE/HUMIDITY

NO	PARAMETERS	SPECIFICATION	UNITS	NOTE
3.1	Operating Temperature	-10 ~ +70	°C	
3.2	Operation Humidity	5~95	%RH	
3.3	Storage Temperature	-40 ~ +85	°C	
3.4	Storage Humidity	5~95	%RH	
3.5	Power Handling	300	mW	
3.6	Tensile Lode	5	N	

PIGTAIL AND CONNECTOR

NO	CODE	PARAMETERS	SPECIFICATION	UNITS
4.1	1	Fiber Type (All Ports)	SMF-28	
4.2	2	Fiber Length (All Ports)	NA	m
4.3	3	Connectors	SC/APC	
4.4	4	Dimension	See drawings (next pg.)	mm



EQUIPMENT DATA SHEET: 1x4 and 1x8 Dual Window Single Mode Coupler

5728 Major Blvd.
Suite 307
Orlando, FL 32819

PH: 407-447-1140
FX: 407-447-1184
www.cobian-etc.com

Contact:

Kameel Wakim,
Chief Technology Officer
kwakim@cobian-etc.com

MECHANICAL DRAWINGS

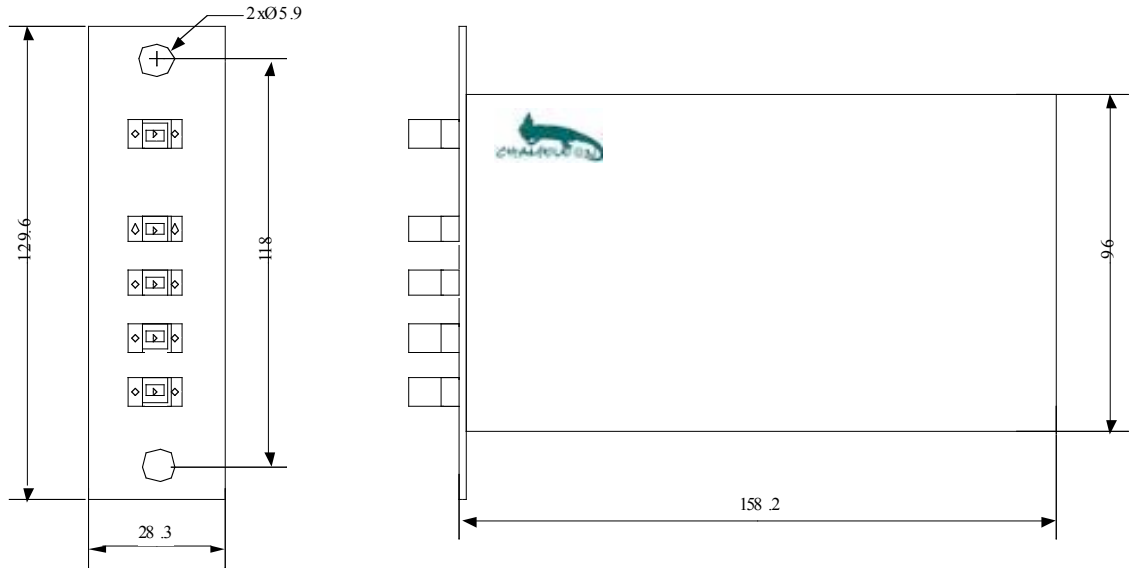


Figure 1

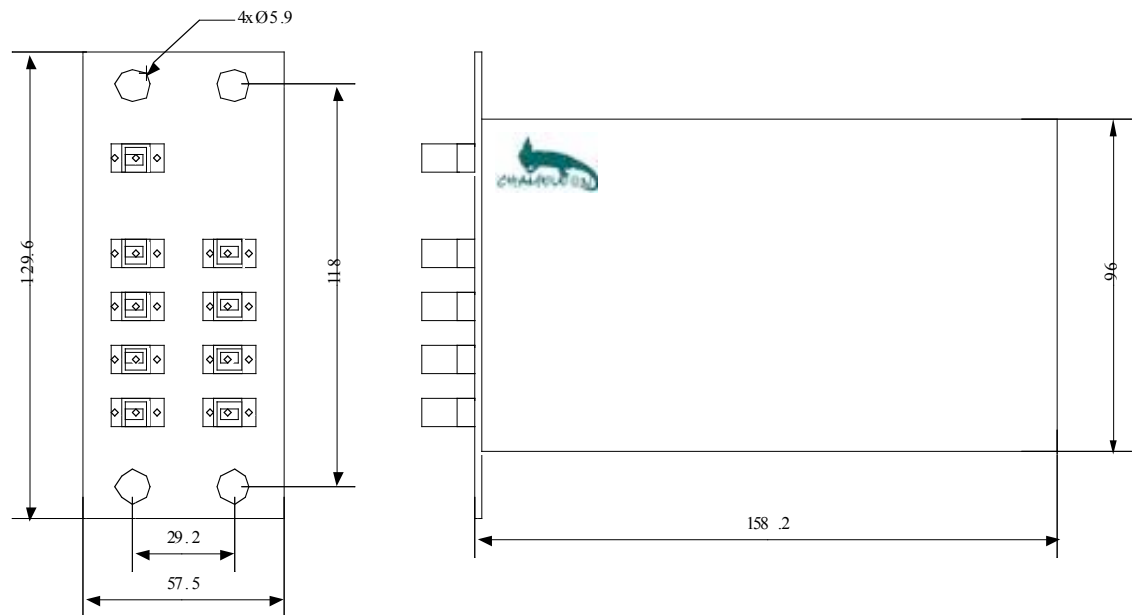


Figure 2

NOTE: The Logo is on the bottom of the LGX box, which is located at the corner of the bottom panel as above.