

Features

- * Bit-rate transparency
- * Connectorized single-mode fiber pigtail
- * Exceptionally low noise figure
- * Optically isolated input and output ports to maintain stable operation of both amplifier module and transmitter laser.
- * +5.0 or +3.3 Vdc operating voltage
- * Low power consumption

Applications

- * Narrowband amplification in C-band
- * Metropolitan and access network systems
- * DWDM sub-systems
- * CATV network systems

Description

GIP Technology C-band Erbium-Doped Fiber Gain-Block Module (TLM-CEFA-00-00-M) is designed for use in the rapidly growing metro market. Using simple optical configuration, this series exhibits extremely small size and low power dissipation over a wide operating temperature and wavelength range.

This makes them especially suitable for systems requiring moderate gain (or power) in a restricted-space environment.



GIP Technology Corporation

6F., No. 112, Xinmin St., Zhonghe Dist.,
New Taipei City 235, Taiwan (R.O.C.)
T:+886-2-8226-7855 www.giptek.com
F:+886-2-8226-7955 sales@giptek.com

Specifications

Optical Information		Unit	Description		
			<i>Booster</i>	<i>In-line</i>	<i>Pre</i>
Control mode			APC		
Operating wavelength range		nm	1530 ~1565		
Input power range		dBm	-10 ~ +10	-20 ~ 0	-30 ~ -10
Saturated output power*1	Max.	dBm	22	17	13
Signal gain	Typ.	dB	20-	30	30
Noise figure	Typ.	dB	5.5	5.5	5
Polarization dependent gain	Max.	dB	0.3		
Polarization mode dispersion	Max.	ps	0.5		
Return loss	Min.	dB	45		
Connector			SC or FC		
Electrical Information					
Operating voltage		Vdc	+3.3 or +5		
Control interface			RS232		
Environmental Information					
Operating case temperature		°C	0 ~ 65		
Storage temperature		°C	-20 ~ 80		
Relative humidity (non-condense)		%	5 ~ 85		
Mechanical Information					
Dimension (W x L x H)		mm	70 x 90 x 12		
			40 x 64 x 12		

*1. Saturated power is composed of optical signal and ASE power.