

1040 Half MSA EDFA

Features

- Miniature Size EDFA
- Telcordia GR-1312 Conforming Reliability
- Intelligent Electronic Control Built-in
- Low NF design
- Smart Control Modes (AGC/APC/ACC)
- C-band Or L-band can be Customed
- Redesigned from Field Proven Reliable MSA

Applications

- Ultra high speed optical commutation system
- Optical communication system
- Long-distance backbone network
- DWDM transmission system

Optical Specifications



Parameter		Min.	Typ.	Max.	Unit
Wavelength Range(Custom)	C-Band	1528		1565	nm
	L-Band	1570		1605	nm
Maximum Output Power(Custom)				17	dBm
Typical Gain		10	30		dB
Gain Flatness at Specified Gain(multi-channel EDFA)			± 0.5	± 1.0	dB
Noise Figure, for $G > 20\text{dB}$			5.0	5.5	dB
Optical Return Loss (at Input and Output Ports)		40			dB
Polarization Mode Dispersion			0.3	0.5	ps
Polarization Dependent Gain			± 0.2	± 0.5	dB
Signal Input & Output Detection Dynamic Range		25	30		dB
Signal Detection Accuracy (Within the Range)			± 0.3	± 0.5	dB
Operating Temperature		0		60	$^{\circ}\text{C}$
Power Supply Voltage		3.13	3.3	3.47	Volt
Electrical Connector		16 PIN ZLTMM-108			
Dimensions (H x W x D)		75 x 50 x 12 (mm)			

Note: More Custom optical Performance can be choose, Please contact us.

Ordering information

1040	—	XX	X	X	XX	—	XX	X
		Typical Gain		Type	Max Ouput Power		Optical Connector	Band
			O—Single Channel W—Mult-Channel	B—Booster L—Line P—PreAmp			FC—FC/PC FA—FC/APC SC—FC/PC SA—FC/PC LC—FC/PC LA—FC/PC Other custom	C—C-Band L—L-Band Other custom