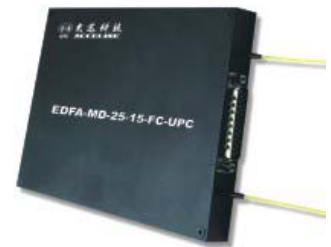


# OptoHopper®

## Optical Amplifiers for long-haul transmission

The OptoHopper is a rack mountable Optical Amplifier, available in both EDFA and Raman configurations. The EDFA delivers up to 20dBm of optical power for long haul applications. The unit is specifically designed for SDH transmission applications.

The product complies with ETSI and Telcordia standards, and is designed for operation in harsh environments. The use of dual power supply inputs makes this suitable for industrial applications requiring highly-reliable operation.



### Optical Interface Options

- FC
- SC

### Optical Performance

Available with a maximum output to 20dBm.  
Output power is programmable via software control.  
Maximum optical gain of 20dB (EDFA).

### Management

Programmable dry-contact alarm outputs.  
Configuration and performance monitoring via a web-based browser.  
SNMP agent capability (option).

# Product Brief

## OptoHopper®

Optical Specifications	Unit	EDFA			Raman		
		Min	Typ	Max	Min	Typ	Max
Operational Wavelength	nm	1530		1565	1530		1565
Optical Gain	dB	4		20	4		14
Equivalent Noise Figure	dB		5.0			<-0.5	
Reverse ASE Power	dBm		< -20				
Return Loss	dB		50				
Gain Flatness	dB			0.3			1.0

Electrical Specifications	Unit	Min	Typical	Max
Operating Voltage (Option 1)	VDC	-40		-70
Power Dissipation (EDFA)	W		6	
Power Dissipation (Raman)	W		40	

Environmental Specifications	Unit	Min	Typical	Max
Operating Temperature	°C	0		55
Storage Temperature	°C	-25		70



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