



Broadband Solutions

760151159 | BOS-OA-C1-1001-FD-F/SC
Optical Amplifier, one port, 10 dB fixed gain, dc powering

Optical Specifications

Gain, fixed	10 dB
Output Ports, quantity	1
Input Power, maximum	14 dBm
Input Power, minimum	0 dBm
Noise Figure Note	+10 dBm input
Noise Figure, typical	4.50 dB
Polarization Dependent Loss, maximum	0.50 dB
Polarization Mode Dispersion, maximum	0.50 ps
Return Loss, minimum	45 dB
Wavelength, maximum	1560.00 nm
Wavelength, minimum	1540.00 nm

Electrical Specifications

Voltage Range	-72 to -36 Vdc (-48 Vdc nominal)
Electrical Safety Standard	EN 60950-1
Electromagnetic Compatibility/Interference (EMC/EMI)	ETSI 300 386 V.1.3.3
Power Consumption, maximum	50.0 W

Environmental Specifications

Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Qualification Standards	Telcordia GR-1089-CORE

Mechanical Specifications

Communications Port Interface	RJ45
Optical Port Interface	SC/APC Female
Serial Port	RS-232

General Specifications

Brand	BOS®
Device Type	Erbium-doped fiber amplifier (EDFA)
Rack Type	EIA 19 in
Rack Units	1
Warranty	One year

Dimensions

Height	43.94 mm 1.73 in
Length	379.98 mm 14.96 in
Net Weight	5.94 kg 13.10 lb

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Width 478.03 mm | 18.82 in

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system