



Broadband Solutions

760149450 | BOS-OA-C1-2104-ND-F/SC-01
Optical Amplifier, four port, 21 dBm per port, dc powering

Optical Specifications

Output Ports, quantity	4
Output Power per Port	21 dBm
Input Power, maximum	10 dBm
Input Power, minimum	0 dBm
Noise Figure Note	+6 dBm input
Noise Figure, typical	3.70 dB
Polarization Dependent Loss, maximum	0.40 dB
Polarization Mode Dispersion, maximum	0.80 ps
Port to Port Variation, maximum	1.0 dB
Return Loss, minimum	45 dB
Wavelength, maximum	1565.00 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	60.0 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

Product Specifications



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Net Weight 5.94 kg | 13.10 lb
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