

SFP-10G-LEGC7M-LEG
ALCATEL-LUCENT 10GBASE-AOC SFP+ DAC
ACTIVE OPTICAL CABLE 7M



Features

- Electrical interface compliant to SFF-8431
- Hot Pluggable
- 850nm VCSEL transmitter, PIN photo-detector receiver
- Operating case temperature: 0°C to 70°C
- All-metal housing for superior EMI performance
- RoHS compliant (lead free)



SFP+AOC Specifications

Parameter	Description
Module Form Factor	SFP+ (Supports SFF8431/SFF8432/SFF8472)
Protocols Supported	InfiniBrand, Ethernet, Fiber Channel
Channel Data Rate	Rate 1 to 10.3125Gbps
BER	$<10^{-12}$
Operating Case Temperature	0°C to 70°C
Storage Temperature	-20 to + 85°C
Supply Voltage	3.3V
Supply Current (typical)	230mA per end
Management Interface Serial	I ² C (Supports SFF8472)

Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Transmitter						
Centre Wavelength	λ_C	840	850	860	nm	
RMS spectral width	$\Delta\lambda$				nm	1
Average launch power, each lane	P _{out}	-6.5		-1	dBm	2
Extinction Ratio	ER	3.5			dB	3
Transmitter Dispersion Penalty	TDP			3.9	dB	
Relative Intensity Noise	R _{in}			-128	dB/Hz	4
Optical Return Loss Tolerance				12	dB	

