

## **AVN-SFPG2**

SFP Gigabit Fiber Transceiver LC Connection

#### **OVERVIEW**

#### DIMENSIONS

Unit : inch(mm)

• Up to 1.25Gb/s data links, up to 550m on 50/125um multi mode fiber

- VCSEL laser transmitter and PIN photo-detector
- Duplex LC/UPC type pluggable optical interface
- Low power dissipation
- Metal enclosure, for lower EMI
- RoHS compliant and lead-free
- Compliant with SFF-8472, Support Digital
- Diagnostic Monitoring interface
- Single +3.3V power supply
- Case operating temperature
  - Commercial: 0°C to +70°C
  - Extended: -10°C to +80°C
  - Industrial: -40°C to +85°C

### **SPECIFICATIONS**

# AVN-SFPG2 1.256/3650m//MM/550M/DDM NETWORK S/N:101704190005 WWW.aivonet.com Made in China 2.32 in (59mm) 0.55 in (14mm)

DESCRIPTION	
Storage Temperature	-40° ~ 85°C
Relative Humidity	5% ~ 95%
Power Supply Voltage	Min: VCC -0.5 Max: 4 V
Signal Input Voltage	Min: -0.3 Max: Vcc+0.3 V
Receiver Damage Threshold	+5 dBm
Transmitter	
Average Output Power	-9 ~-3 dBm
Extinction Ratio	9 dB
Center Wavelength	typ. 850 nm
Spectrum Bandwidth(RMS)	0.85 nm
Transmitter OFF Output Power	-45 dBm
Differential Line Input Impedance	typ. 100 Ohm
Output Eye Mask	Compliant with IEEE802.3 z (class 1 laser safety)
Receiver	
Input Optical Wavelength	typ. 850 nm
Receiver Sensitivity	-17 dBm
Input Saturation Power (Overload)	0 dBm
Loss Of Signal Assert	-18 dBm
Loss Of Signal De-assert	-35 dBm
LOS Hysteresis	typ. 2 dB
Dimensions (Ŵ x L x H)	(59mm x 8mm x 14mm)

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