



## AVN-SFPG2

SFP Gigabit Fiber Transceiver LC Connection

### OVERVIEW

- 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

### DIMENSIONS

Unit : inch(mm)



### SPECIFICATIONS

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 (W x L x H)	(59mm x 8mm x 14mm)