



Materials and Finish

Housing: PBT Thermoplastic
UL 94V-0 Rated
Color: Black

Shield: Brass, Nickel Plated
Contact Material: Phosphor Bronze
Contact Plating:
Nickel Underplating,
6u" Gold Plating on Contact Area

Electrical Characteristics

IEEE 802.3bt Rated:
For PSE or PD Applications
57VDC, 720mA Max Per Pair
Dielectric Withstanding Voltage:
2250V DC 1mA Pri. to Sec.

Mechanical Characteristics

Durability Rating:
750 Mating Cycles Min.
Mating Force: 23N Max.
Operating Temperature:
-40°C to +85°C

ELECTRICAL PROPERTIES OF MAGNETICS:

Insertion Loss (dB Max)	Return Loss (dB Min)				Cross Talk (dB Min)			CMR (dB Min)	OCL (uH Min)
	1~30 MHz	30~60 MHz	60~80 MHz	80~100 MHz	1~30 MHz	30~60 MHz	60~100 MHz		
1~100 MHz	-18	-14	-12	-10	-40	-35	-30	-30	@100 KHz, 0.1 V, 15mA DC Bias
-1.0	-18	-14	-12	-10	-40	-35	-30	-30	350

LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.85-2.45V
Yellow	585nm	20mA	1.7-2.2V
Orange	585nm	20mA	1.85-2.45V

Tolerances

X.X ± 0.30
X.XX ± 0.25
Unless Stated
Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0.1	05/09/22	New Drawing	C. Kelleher	C. Furumasu	C. Kelleher	05/09/22
A0.2	05/09/22	Update P/N: 1G	C. Kelleher	C. Furumasu		
A1	03/07/23	Release Drawing	C. Kelleher	C. Furumasu		

G16LX-188S7-1G-GO-Y

Right Angle 1G Mag Jack w/ POE
Tab Up, Shielded w/ EMI Fingers, LEDs

