



Materials and Finish

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

Shield: Brass, Nickel Plated

Contact Material:
 Phosphor Bronze

Plating:
 Nickel Underplating, 6µ" Gold Plate
 on Contact Area, Tin Plated
 on Solder Area

Electrical Characteristics

Insulation Resistance:
 500 Megohms Min.

Contact Resistance:
 20 milliohms Max.

Dielectric Withstanding Voltage:
 1500V AC for 1 Minute

Mechanical Characteristics

Durability Rating:
 750 Mating Cycles Min.

Operating Temperature:
 -40°C to +85°C

Wave solder Temp:
 260°C for 5 sec.

Electrical Properties

Insertion Loss (dB Typ)	Return Loss (dB Min)				Cross Talk (dB Min)			CMR (dB Min)	OCL (uH Min)
	at 100Ω								
1~100MHz	1~10MHz	10~30MHz	30~60MHz	60~80MHz	1~30MHz	30~60MHz	60~100MHz	1~100MHz	100KHz, 100 mV, 8mA DC
-1.0	-20	-16	-12	-10	-40	-35	-30	-35	350

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



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	04/17/18	New Drawing	G. Serrato	C. Furumasu	G. Serrato	04/17/18
A0.1	05/29/18	Design Change	G. Serrato	D. Shehan		
A0.2	05/31/18	Updated Specs	D. Shehan			
A1	07/06/18	Release Drawing	D. Shehan	C. Kelleher		

G10X-288S7-QQ

Dual Stack RJ45, Gigabit Magnetics

