

General Specifications For Modular Jacks/Plugs

General Specifications

Electrical

Current Rating:	1.5 amps @70°C ambient
Voltage Rating:	125 VAC min
Contact Resistance:	30 milliohms typical, 50 milliohms max
Insulation Resistance:	500 megohms min
Dielectric Withstanding Voltage:	1000 VAC, RMS, 60Hz, 1 min
Capacitance:	2.0pF max between adjacent contacts

Mechanical

Mating/Extraction Unmating Force:	5lbs max
Durability:	750 cycles min with 30u" of gold plating

Material and finish

Housing:	PBT or Nylon resin
Contact:	Stamped - .35mm phosphor bronze selective gold plating over nickel over tin Round - .46mm phosphor bronze selective gold plating over nickel
Shield:	Tin or nickel plated brass
Plugs:	PBT V2

LED characteristics

Current:	30mA max
Forward Voltage:	2.2 typical, 2.0 min
Reverse Voltage:	5.0 max

Maximum Temperature Ratings for Modular Jacks

	Plastic	PBT	FR-50	FR-52	Nylon 46
Operating Temperature		-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	0°C to 70°C
Storage Temperature		-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 80°C
Maximum Temperature Wave Solder		245°C	255°C	260°C	265°C
Maximum Duration Wave Solder		5 sec	10 sec	10 sec	10 sec
Maximum Temperature Re-Flow Solder		See Note 1	250°C	260°C	265°C
Maximum Duration Re-Flow Solder		See Note 1	10 sec, See Note 2	10 sec	10 sec

Notes: 1) PBT is not suitable for lead-free re-flow applications.
 2) FR-50 is not recommended for lead-free re-flow applications.
 FR-52 and Nylon 46 are suitable for this purpose.



All product is RoHS Compliant.