

## 3.5mm PLUG TECHNICAL DATA

|                                   |   | VALUE  |
|-----------------------------------|---|--|
| <b>GENERAL CHARACTERISTICS</b>    | Number of Contacts                                      | 2 Pole (Mono)<br>3 Pole Tip Ring Sleeve (Stereo)   |
|                                   | Termination   | Solder   |
|                                   | Wire Gauge - Stranded Wire                              | 2 Pole (Mono): AWG 16 - 1.5mm <sup>2</sup><br>3 Pole (Stereo): AWG 18 - 1mm <sup>2</sup> |
|                                   | Flammability rating of insulating plastics              | UL94V-0  |
|                                   | Solderability, complies with                            | IEC 68-2-20  |
|                                   | Environmental   | Complies with EU RoHS 2 Directive 2011/65/EU   |
| <b>ELECTRICAL CHARACTERISTICS</b> | Current Carrying Capacity                               | >0.5mA (Depends on Mating Connector and Cable)   |
|                                   | Typical Contact Resistance                              | ≤20mΩ (Depends on Mating Connector and Cable)  |
|                                   | Insulation resistance (initial)<br>After Damp Heat Test | >200M Ω<br>>100M Ω   |
|                                   | Test Voltage AC RMS:<br>Dielectric Strength             | 250VAC   |
| <b>CLIMATIC CHARACTERISTICS</b>   | Protection Class  | IP40   |
|                                   | Operating Temperature                                   | -20°C to +65°C (-4°F to +149°F)  |
| <b>MECHANICAL CHARACTERISTICS</b> | Insertion and Withdrawal Force                          | <20N / >3N (depends on mating connector)   |
|                                   | Cable O.D.  | 3mm to 5mm (0.118" to 0.196")  |
|                                   | Mechanical Operations                                   | 1000 mating cycles   |
|                                   | Weight  | 8g (0.017lb)   |
| <b>MATERIALS</b>                  | Connector Shell Material (Plugs)                        | Diecast Zinc Alloy EZDA No.3   |
|                                   | Connector Shell Finish                                  | Satin Nickel or Black Polyester  |
|                                   | Insulators  | PA66   |
|                                   | Cable Bushing   | Santoprene   |
|                                   | Contacts  | Brass  |
|                                   | Plating   | Nickel or Gold Flash   |

<sup>1</sup> Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

