

# BNC COAXIAL CONNECTORS

## ELECTRICAL SPECIFICATIONS

|                                 |                                    |   |
|---------------------------------|------------------------------------|---|
| Impedance                       | 50 ohm                             | 75 ohm  |
| Frequency Range                 | 0–4 GHz                            | 0–1 GHz   |
| Working Voltage                 | 500 Volts rms.                     | 500 Volts rms.  |
| Dielectric Withstanding Voltage | 1500 Volts rms.                    | 1500 Volts rms.   |
| VSWR                            | 1.3 max. 0–4 GHz                   | 1.05+0.1f(GHz) DC to 1 GHz                                |
| Contact Resistance              | Center contact 1.5 milliohm<br>ohm | Center contact 1.5 milliohm<br>Outer contact 1.0 milliohm |
| Insulation Resistance           | 5000 megohms (min)                 | 5000 megohms (min)  |

## MATERIAL SPECIFICATIONS

| PARTS NAME     |        | MATERIAL   | FINISH                |
|----------------|--------|--|-----------------------|
| Center Contact | Male   | Brass  | Gold or Silver plated |
|                | Female | Phosphor Bronze (nominal) or<br>Beryllium Copper | Gold or Silver plated |
| Metal parts    |        | Brass  | Nickel*               |
| Insulators     |        | Teflon, Delrin, PBT polyester                    | None                  |
| Clamp gaskets  |        | Silicone rubber, Synthetic rubber                | None                  |
| Crimp ferrule  |        | Annealed copper                                  | Nickel*               |



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