



## CHARACTERISTICS

DESCRIPTION:

BNC Type male connector

### Electrical characteristics:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 4 GHz</i>
<i>VSWR:</i>	<i><math>\leq 1.08 + 0.06 \times f[\text{GHz}]</math></i>
<i>Insertion loss:</i>	<i><math>\leq 0.05 \times \sqrt{f[\text{GHz}]} \text{ dB}</math></i>
<i>Insulation resistance:</i>	<i><math>\geq 5000 \text{ M}\Omega</math></i>
<i>Test voltage:</i>	<i>1500 V rms</i>
<i>Working voltage:</i>	<i>400 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>1.5 m<math>\Omega</math></i>
2). Outer conductor:	<i>1.0 m<math>\Omega</math></i>
<i>Power handling</i> (at 20 °C, sea level, VSWR 1.0):	<i>80 W @ 2 GHz</i>
<i>- Limitations are possible due to the used cable type -</i>	

### Environmental data:

<i>Temperature rating:</i>	<i>-55 ° C to +155 ° C</i>
<i>52/95/EC (RoHS):</i>	<i>Compliant</i>

### Mechanical data:

<i>Mating cycles:</i>	<i><math>\geq 500</math></i>
<i>Center contact captivation:</i>	<i><math>\geq 15 \text{ N(axial)}</math></i>

### Suitable cables:

*RG55/U, RG58/U, RG400, LMR195*