

BNC & TNC REVERSE POLARITY CONNECTOR SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

<u>Impedance</u>	<u>50 Ω</u>
<u>Frequency Range</u>	<u>0 – 4 GHz</u>
<u>Working Voltage</u>	<u>\geq 500 VRMS</u>
<u>Dielectric Withstanding Voltage</u>	<u>1500 VRMS at sea level</u>
<u>VSWR</u>	<u>Straight : 1.15 max</u> <u>Right Angle : 1.2 max</u>
<u>Insulation Resistance</u>	<u>5,000 MΩ min.</u>
<u>Insertion loss</u>	<u>0.2dB max.</u>

MATERIAL SPECIFICATIONS

<u>Body and outer contacts</u>	<u>Brass, nickel plated</u>
<u>Male contact</u>	<u>Brass, gold plated</u>
<u>Female contact</u>	<u>Phosphor Bronze, gold plated</u>
<u>Insulator</u>	<u>PTFE</u>
<u>Crimp ferrule</u>	<u>Copper or brass, nickel plated</u>

MECHANICAL SPECIFICATIONS

<u>Coupling nut retention force</u>	<u>101 lbs</u>
<u>Center contact Retention</u>	<u>\geq 6 lbs</u>
<u>Engagement force</u>	<u>\leq 5 lbs</u>
<u>Disengagement force</u>	<u>\geq 1.5 lbs</u>
<u>Cable retention</u>	<u>20 - 70 lbs</u>
<u>Durability (matings)</u>	<u>500 cycles min.</u>

ENVIRONMENTAL

<u>Compliant with the requirements for RoHS Directive 2001/65/eu issued June 8, 2011</u>	
<u>Temperature Range</u>	<u>-65°C to +165°C</u>