

CHARACTERISTICS

DESCRIPTION:

SMB Type female connector

Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 4.0 GHz</i>
<i>VSWR:</i>	$\leq 1.10 + 0.05 \times f[\text{GHz}]$
<i>Insertion loss:</i>	$\leq 0.15 \times \sqrt{f[\text{GHz}]} \text{ dB}$
<i>Insulation resistance:</i>	$\geq 1000 \text{ M}\Omega$
<i>Test voltage:</i>	<i>750 V rms</i>
<i>Working voltage:</i>	<i>250 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>6.0 mΩ</i>
2). Outer conductor:	<i>1.5 mΩ</i>
<i>RF-leakage :</i>	$\geq 55 \text{ dB up to } 1 \text{ GHz}$

Environmental data:

<i>Temperature rating:</i>	<i>-65° C to +165° C</i>
<i>2002/95/EC (RoHS):</i>	<i>Compliant</i>

Mechanical data:

<i>Mating cycles:</i>	≥ 500
<i>Center contact captivation:</i>	$\geq 10 \text{ N(axial)}$
<i>Engagement force :</i>	$\leq 63 \text{ N}$
<i>Disengagement force :</i>	<i>8 N min. to 63 N max.</i>

Suitable cables:

RG 316 /U, RG 174 A/U, RG 188 A/U