



CHARACTERISTICS

DESCRIPTION:	SMP Type female connector
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Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 6 GHz</i>
<i>VSWR:</i>	<i>$\leq 1.3:1$</i>
<i>Insertion loss:</i>	<i>$\leq 0.1X \sqrt{f[\text{GHz}]} \text{ dB}$</i>
<i>Insulation resistance:</i>	<i>$\geq 5 \text{ G}\Omega$</i>
<i>Test voltage:</i>	<i>500 V rms</i>
<i>Working voltage:</i>	<i>335 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>6.0 mΩ</i>
2). Outer conductor:	<i>2.0 mΩ</i>
<i>Contact Current:</i>	<i>1.2A DC max.</i>

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>	
<i>if mating part is smooth bore:</i>	<i>≥ 1000</i>
<i>if mating part is limited detent:</i>	<i>≥ 500</i>
<i>if mating part is full detent:</i>	<i>≥ 100</i>
<i>Center contact captivation:</i>	<i>$\geq 7 \text{ N(axial)}$</i>
<i>Engagement force:</i>	<i>Disengagement force:</i>
<i>smooth bore: <9N</i>	<i>smooth bore: <2.2N</i>
<i>limited detent: <45N</i>	<i>limited detent: <9N</i>
<i>full detent: <68N</i>	<i>full detent: <22N</i>

Suitable cables:

RG178