



CABLE(RG174A/U, RG188A/U, RG316/U)

4	1	Body	Brass/Gold plated	Gold 0.2um over Nickel 2um
3	1	Spring ring	Beryllium copper/Gold plated	Gold 0.2um over Nickel 2um
2	1	Insulator	PFTE	
1	1	Center contact	Brass/Gold plated	Gold 0.5um over Nickel 2um

Designed by	Checked by	Approved by - date	File name	Date	Scale
			13-121LQA		
			Edition		Sheet

CHARACTERISTICS

DESCRIPTION:	MMCX Type male R/A 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>	$\leq 1.1 + 0.04 \times f[\text{GHz}]$
<i>Insertion loss:</i>	$\leq 0.20 \times \sqrt{f[\text{GHz}]} \text{ dB}$
<i>Insulation resistance:</i>	$\geq 1000\text{M}\Omega$
<i>Test voltage:</i>	<i>500 V rms</i>
<i>Working voltage:</i>	<i>150 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>5.0 mΩ</i>
2). Outer conductor:	<i>2.5 mΩ</i>
<i>RF leakage(measured at 1GHz):</i>	$\geq 70\text{dB}$

Environmental data:

<i>Temperature rating:</i>	<i>-55 ° C to +155 ° 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>	$\leq 15 \text{ N}$
<i>Disengagement force:</i>	<i>6N~15N</i>

Suitable cables:

RG174A/U, RG188A/U, RG316/U