



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**  
According to IEC 60169-36

**Documents**  
N/A

Material and plating	Material	Plating
<b>Connector parts</b>		
Center contact	Brass	Gold, min. 1.27 µm, over nickel
Outer contact	Beryllium copper	Gold, min. 0.8 µm, over nickel
Dielectric	PTFE	
Substrate	Al <sub>2</sub> O <sub>3</sub>	
Insulator	Silicone	

MCX TERMINATION  
PLUG 1 WATT

**29S15R-1.0E3**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 6 GHz  
 Return loss ≥ 23.1 dB, DC to 4 GHz  
 ≥ 17.7 dB, 4 to 6 GHz  
 Center contact resistance ≤ 5 mΩ  
 Outer contact resistance ≤ 2.5 mΩ  
 Power handling 1 W at 25°C  
 derated linearity to 0 Watts at 125°C

**Mechanical data**

Mating cycles ≥ 500  
 Engagement force ≤ 25 N  
 Disengagement force 8 N - 20 N  
 Center contact captivation ≥ 10 N

**Environmental data**

Temperature range -55°C to +155°C

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard 100 pcs in bag  
 Weight 0.7 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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