



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

**Interface**

According to IEC 60169-16, MIL-PRF-39012, CECC 22210

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Heatsinks  
Dielectric  
Substrate

**Material**

Beryllium copper  
Brass  
Al  
PTFE  
ALN

**Plating**

Gold, min. 1.27 µm, over nickel  
Flash white bronze over silver(e.g. Optargen®)  
Black anodized

N 50 Ω TERMINATION  
JACK 5 WATT

**53K17R-005N3**

**Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 26.4 dB, DC to 2 GHz ≥ 21.2 dB, 2 GHz to 5 GHz ≥ 14 dB, 5 GHz to 10 GHz
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.25 mΩ
Power handling	5 W at 25°C derated linearity to 0 Watts at 125°C

**Mechanical data**

Mating cycles	min. 500
Center contact captivation:	≥ 28 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

**Environmental data**

Temperature range	-65°C to +125°C
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**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in bag
Weight	45 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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