



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

**Interface**

According to N/A

**Documents**

Assembly instruction MA\_MF-A8  
 Panel piercing MB\_384

**Material and plating**

**Connector parts**

Center contact  
 Outer contact  
 Body  
 Dielectric  
 Crimping ferrule

**Material**

Spring bronze  
 Spring bronze  
 Spring bronze  
 PTFE  
 Brass

**Plating**

AuroDur®, gold plated  
 AuroDur®, gold plated  
 White bronze(e.g. Optalloy®)  
 Flash white bronze over silver(e.g. Optargen®)

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RF\_35/05.10/6.0

MF

straight jack

**MF1K109-101L5-NM**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 2 GHz  
 Return loss ≥ 30 dB, DC to 1 GHz  
 ≥ 20 dB, DC 1 to 2 GHz  
 Insertion loss ≤ 1.7dB / 2 GHz (typ.)  
 Insulation resistance ≥ 5 x10<sup>3</sup> MΩ  
 Center contact resistance initial ≤ 40 mΩ  
 Outer contact resistance initial ≤ 10 mΩ  
 Test voltage (at sea level) 500 V  
 Working voltage (at sea level) 335 V  
 Contact current typ. 1.5 A DC max.

**Mechanical data**

Mating cycles up to 100.000  
 Engagement force 1 N  
 Disengagement force 1 N

**Environmental data**

Temperature range -25°C .. +85°C  
 RoHS compliant  
 Non-magnetic compliant

**Tooling**

Crimping tool 11W150-000  
 Crimp insert 11W150-401

**Suitable cables**

RG 178

**Packing**

Standard 50 pcs in bag  
 Weight 1.9 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
G.Lapper	27/04/11	C. Kainzmaier	08.03.17	a00	17-s084	M. Margardt	08.03.17

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