



3	1	Body	Brass/Nickel plated	Nickel 7um over Copper 2um		
2	1	Insulator	PTFE			
1	1	Center contact	Phosphor bronze/Gold plated	Gold 0.5um over Nickel 2um		
Designed by Mingang Han		Checked by Jinlong Gu	Approved by - date Hongyu Du	File name N-KFB2	Date 07.04.10	Scale 1:1
Amitron Electronics, Ltd			Title: N-KFB2			
Customer drawing No.:				Edition 1.0	Sheet 1/1	

CHARACTERISTICS

DESCRIPTION: N Type female FL connector

Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 10 GHz</i>
<i>Return loss:</i>	<i>≥35dB, DC-1GHz</i> <i>≥20dB, 4-6GHz</i>
<i>Insertion loss:</i>	<i>≤0.25dB</i>
<i>Insulation resistance:</i>	<i>≥5000MΩ</i>
<i>Test voltage:</i>	<i>2500 V rms</i>
<i>Working voltage:</i>	<i>1400 V rms</i>
<i>Contact resistance:</i>	
1). <i>Centre contact:</i>	<i>1.0 mΩ</i>
2). <i>Outer conductor:</i>	<i>0.25 mΩ</i>

Environmental data:

<i>Temperature rating:</i>	<i>-55 ° C to +165 ° C</i>
<i>Thermal shock :</i>	<i>MIL-STD-202, Meth. 107, Cond. B</i>
<i>Corrosion :</i>	<i>MIL-STD-202, Meth. 101, Cond. B</i>
<i>Vibration :</i>	<i>MIL-STD-202, Meth. 204, Cond. D</i>
<i>Shock :</i>	<i>MIL-STD-202, Meth. 213, Cond. I</i>
<i>Moisture resistance :</i>	<i>MIL-STD-202, Meth. 106</i>
<i>2002/95/EC (RoHS):</i>	<i>Compliant</i>

Mechanical data:

<i>Mating cycles:</i>	<i>≥500</i>
<i>Center contact retention:</i>	<i>≥18 N(axial)</i>
<i>Coupling test torque:</i>	<i>≤1.7 Nm</i>
<i>Recommended torque:</i>	<i>0.46 Nm to 0.69 Nm</i>

Suitable cables:

.086, RG405, 670-086

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