



3	1	Body	Brass/Silver plated	Silver 5um over Copper 2um	
2	1	Insulator	Poly		
1	1	Center contact	Phosphor bronze/Silver plated	Silver 7um over Copper 2um	
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference
Designed by Mingang Han	Checked by Kintong Gu	Approved by - date Hongyu Du	File name N-K116	Date 16.02.05	Scale 3 : 1
Amitron Electronics, Ltd.			Title: N-K116 -AЭ		
			Customer drawing No.:		Edition 1.0

## CHARACTERISTICS

DESCRIPTION: N Type female FL connector

### Electrical data:

<i>Impedance:</i>	50 ohm
<i>Frequency range:</i>	DC to 11 GHz
<i>Return loss:</i>	≥35dB, DC-2.5GHz ≥30dB, 2.5-4GHz ≥20dB, 4-6GHz
<i>Insertion loss:</i>	≤0.25dB, DC-6GHz
<i>Insulation resistance:</i>	≥5000MΩ
<i>Test voltage:</i>	750 V rms
<i>Working voltage:</i>	480 V rms
<i>Contact resistance:</i>	
1). Centre contact:	1.0 mΩ
2). Outer conductor:	0.25 mΩ

### Environmental data:

<i>Temperature rating:</i>	-65 ° C to +125 ° C
<i>52/95/EC (RoHS):</i>	Compliant

### Mechanical data:

<i>Mating cycles:</i>	≥500
<i>Center contact captivation(axial):</i>	≥ 28 N
<i>Coupling nut retention:</i>	≥ 450 N
<i>Coupling test torque:</i>	≤1.7 Nm
<i>Recommended torque:</i>	0.7 Nm to 1.1 Nm

### Suitable cables:

N/A

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