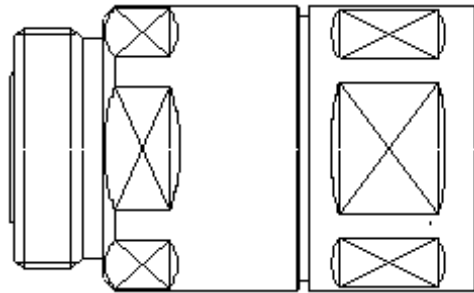




DF_RW78N_01_CC 21070008

7/16 (Din) Female for RW78N, Clamp



1 Product Structure

Pos	Designation	Material
1	Inner Conductor	Phosphor bronze, Silver - Plated
2	Insulator	PTFE
3	Outer Conductor	Brass, TriMetal - Plated
4	O-Ring	Silicone Rubber
5	Dust Caps	Polypropylene(PP)

2 General Specifications

Interface	7/16 Din Female
Body Style	Straight
Inner Contact Attachment	Spring Finger
Cable Size	7/8" & 7/8"S
Cable Type	Foam Dielectric
Logo	"KING SIGNAL" etched by Laser
Weight	0.178 Kg
Length	≥ 47.9 mm
Diameter	≥ 35.5 mm

3 Electrical Specifications

Impedance	50Ω
Operating Frequency Range	0 - 2700 MHz
Insertion Loss, Typical	$\leq 0.05 \times \sqrt{F}(\text{GHz}) \text{ dB}$
Return Loss, Typical	824 - 960 MHz $\leq -28.3 \text{ dB (1.08)}$ 1710 - 2700 MHz $\leq -26.5 \text{ dB (1.10)}$
Intermodulation(3 rd Order)	$\leq -155 \text{ dBc (112 dBm) @ 910 MHz}$
Intermodulation(3 rd Order) Test Method	Two +43 dBm Carriers
Contact Resistance, Inner Conductor	$\leq 0.4 \text{ m}\Omega$
Contact Resistance, Outer Conductor	$\leq 0.2 \text{ m}\Omega$
Insulation Resistance	$\geq 10000 \text{ M}\Omega$
Average Power	3.0 kW @ 900 MHz
Operating Voltage (At sea level, 50Hz AC)	$\leq 2700 \text{ V}$
Test Voltage (At sea level, 50Hz AC, Endure over 1 minute)	$\geq 4000 \text{ V}$



4 Mechanical Specifications

Interface Durability	500 Cycles
Interface Durability Method	IEC 169-4:9.5
Connector Retention Tensile Force	1350 N (300 lbf)
Connector Retention Torque	8.2 N.m (72.00 lb.in)
Insertion Force	200 N (45.00 lbf)
Insertion Force Method	IEC 169-1:15.2.4

5 Environment Specifications

Operating Temperature	-55°C to +85°C
Storage Temperature	-55°C to +85°C
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	MIL-STD-202F, Method 106F
Mechanical Shock Test Method	MIL-STD-202F, Method 213B, Test Condition C
Thermal Shock Test Method	MIL-STD-202F, Method 107G, Test Condition A1, Low Temperature -55°C
Vibration Test Method	IEC 60068-2-6:2007
Corrosion Test Method	IEC 60068-2-1:2007, test Ka

6 Marking and Package Requirements

According to the Packaging Specifications

7 Banned and Restricted Substances

RoHS 2002/95/EC	Compliant by Exemption
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8 Document Revision Information

Revision	Description
A	First revision
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D2	New Frequency added; Contact Resistance, Outer Conductor Changed.
E0	Drawing and Installation Dimensions added; Changed the Forums.
E1	Changed the Forums.
E2	New Frequency added.