



	Male		Female	
	min.	max.	min.	max.
A	Ø 3.91	Ø 4.01	1)	
B	Ø 11.56	Ø 12.22	Ø 11.56	Ø 12.22
C	-	-	Ø 14.00	Ø 14.25
D	-	11.10	1.02	-
E	-	-	1)	
F	5/8-24 UNEF-2B		5/8-24 UNEF-2A	
G	-	9.91	7.87	-
H	-	-	11.10	-
I	-	0.89	0.89	-

Dimensions in mm

1) Resilient, dimension to meet electrical and mechanical requirements

Interface

According to

IEC 60169-12

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Technical Data

Rosenberger

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UHF

54-000-000_TD

Electrical data

Impedance	not defined
Frequency range	DC to 300 MHz
Insulation resistance	$\geq 5 \text{ G}\Omega$
Center contact resistance	$\leq 5 \text{ m}\Omega$
Outer contact resistance	$\leq 5 \text{ M}\Omega$
Test voltage	2000 V rms
Working voltage	750 V rms
Power handling	400 W @ 300 MHz
Contact current	$\leq 10 \text{ A DC}$

Mechanical data

Mating cycles	≥ 500
Center contact captivation	axial: $\geq 30 \text{ N}$

Environmental data

Temperature range	-25 °C to +70 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.

Materials

Connector parts

	Material	Plating
Spring loaded contact parts	CuSn	Ag / Au
Center contact	CuZn	Ag / Au
Outer contact	CuZn	Ni
Crimping ferrule	Cu	Ni
Dielectric	PS / PTFE	
Gasket	Silicone / Rubber	

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