



	Male		Female	
	min.	max.	min.	max.
A	Ø 1.10 nom.		Ø 1.10 nom.	
B	Ø 0.85 nom.		1)	
C	Ø 4.00 nom.		0.00	0.40
D	hex 6		0.10	0.30
E	10-32 UNF-2B		10-32 UNF-2A	
F	3.60 nom.		-	-
G	2.50 nom.		-	-

Dimensions in mm

<sup>1)</sup> Resilient, dimension to meet electrical and mechanical requirements

**Interface**

Intermateable with

MALCO microdot

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## Technical Data

# Rosenberger

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Microdot

31-000-000\_TD

### Electrical data

Impedance	50 Ω
Frequency range	DC to 2 GHz
Return loss (cable connector straight)	≥ 16 dB (typ.)
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 3 mΩ
Test voltage	1000 V rms
Contact current	≤ 3 A DC

### Mechanical data

Mating cycles	≥ 500
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### Environmental data

Temperature range	-65 °C to +125 °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 H
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.

### Materials

#### Connector parts

Spring loaded contact parts
Outer contact
Crimping ferrule
Dielectric
Gasket

#### Material

CuBe
CuZn
Cu
PTFE
Rubber

#### Plating

Au
Au / Ni
Au

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