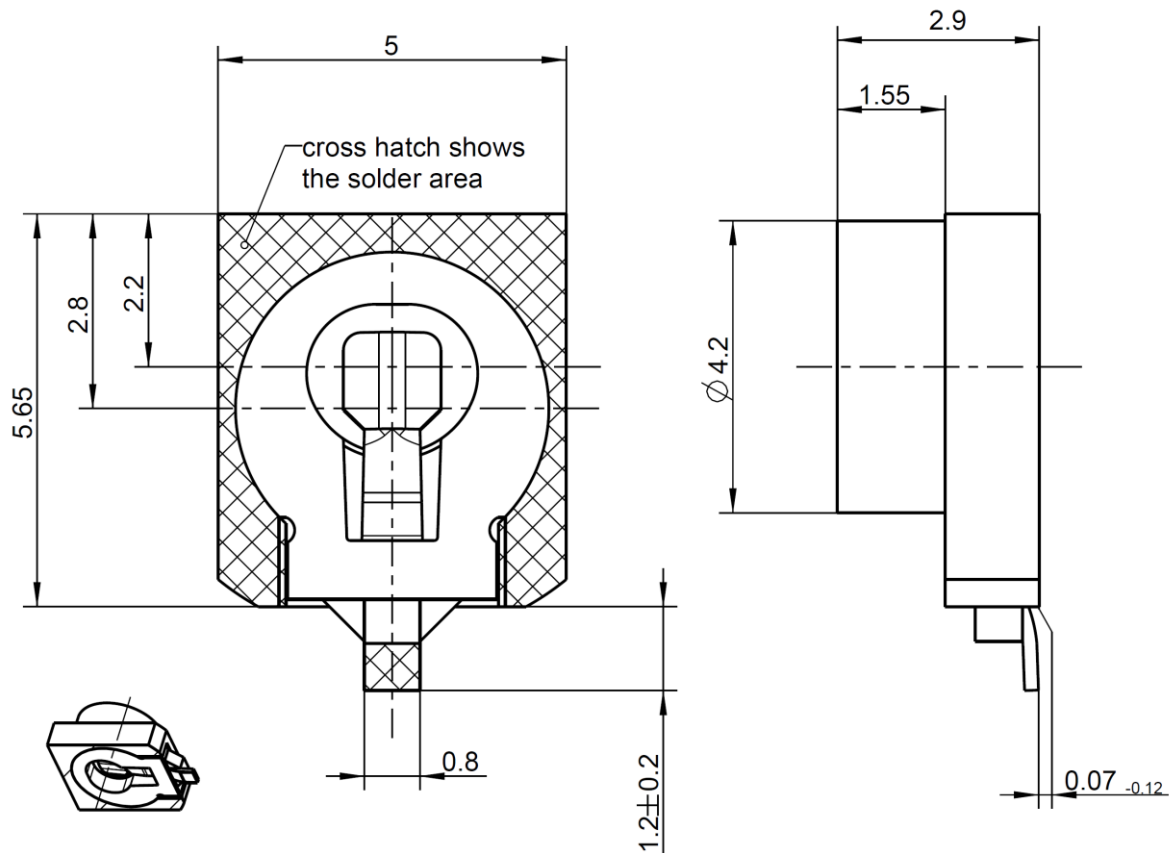




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

N/A

Documents

PCB layout

B 191

Tape & reel packaging

VG55.2M500

Material and plating

Connector parts

Center contact

Outer contact

Dielectric

Material

Beryllium copper

Brass

LCP

Plating

Gold, min. 0.8 µm, over chemical nickel

Gold, min. 0.15 µm, over chemical nickel

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 25 dB, DC to 5 GHz ≥ 22 dB, 5 to 10 GHz
Insertion loss	≤ 0.1 dB $\times \sqrt{f}$ [GHz]
Insulation resistance	$\geq 5 \times 10^3$ M Ω
Center contact resistance	≤ 6 m Ω
Outer contact resistance	≤ 2 m Ω
Test voltage	500 V rms
Working voltage	335 V rms
RF-leakage (valid for screened connection only)	≤ -80 dB up to 3 GHz ≤ -65 dB up to 10 GHz
Contact current	1.2 A DC max.

- Dependent on PCB layout -

Mechanical data

Mating cycles	min. 100
Engagement force	9 N max.
Disengagement force	2.2 N min.

Environmental data

Temperature range	-40 °C to +105 °C (completely deflected)
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
Rapid change of temperature	IEC 60169-1 clause 16.4 (-40 °C to +105 °C)
Mixed flowing gas	DIN EN 60068-2-60 meth. 4 (10 d)
Vibration	IEC 61169-1 clause 9.3.3 (10-2000 Hz; 15 g)
Shock	IEC 60169-1 clause 15.8 (50 g 11 ms half-sine)
Damp heat	IEC 60169-1 clause 16.3 (+40 °C 56 d)
RoHS	compliant

Suitable cables

N/A

Weight

Weight	0.25 g/pce
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While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Andreas Fellner	13/07/05	E_Schwangler	04.05.16	I00	16-0708	A_Wallner	04.05.16
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