



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

Interface

According to MIL-STD-348

Documents

N/A

Material and plating

Connector parts

- Center contact
- Outer contact - plug
- Outer contact - jack
- Dielectric
- Substrate

Material

- CuBe
- Brass
- CuBe
- PTFE
- Al₂O₃

Plating

- Gold, min. 1.27 µm, over nickel
- Gold, min. 0.8 µm, over nickel
- Gold, min. 0.8 µm, over nickel

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RF_35/09;14/6.2

SMP

Attenuator
Plug/Jack

19AS101-K20E3

Electrical data

Frequency range DC to 18 GHz
 Return loss ≥ 20.8 dB, DC to 4 GHz
 ≥ 16.5 dB, 4 GHz to 12.4 GHz
 ≥ 14.0 dB, 12.4 GHz to 18 GHz
 Attenuation 20 dB \pm 1.0 dB, DC to 12.4 GHz
 20 dB \pm 1.5 dB, 12.4 GHz to 18 GHz
 Power handling ≤ 0.5 W at 25°C

Mechanical data

Mating cycles
 if mating part is limited detent ≥ 500
 Center contact captivation ≥ 7 N
 Engagement force
 - limited detent 45 N max.
 Disengagement force
 - limited detent 9 N min.

Environmental data

Temperature range -55°C to +155°C
 RoHS compliant

Packing

Standard 1 pce in bag
 Weight 3.23 g/pce

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
Kerstin Herzog	12.07.07	Markus Müller	07.11.16	e00	15-1629	Marion Striegler	07.11.16

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