



All dimensions are in mm; tolerances according to ISO 2768 m-H  
 Y = Part number has to be accomplished by codification

Bereich / range	Masse / dimensions (mm)			
	0 bis/to 0.5	0.5 bis/to 3	3 bis/to 6	6 bis/to 30
Toleranz / Tolerance (mm)	± 0.05 *)	± 0.1	± 0.1	± 0.2

\*) Angabe abweichend zu / Indication deviant to DIN ISO 2768 m-H

### Interface

According to

DIN 72594-1, USCAR 17

### Documents

PCB layout

MB\_281

Tape and reel packaging

VG223.32500

**Material and plating**

**Connector parts**

Center contact	Brass
Outer contact	Zinc alloy
Dielectric	PA 6T/66
Housing	PA 6T/66

**Plating**

AuroDur®, gold plated  
Tin, 6-8 µm

**Electrical data**

Impedance	50
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC

- Connector only, VSWR in application depends decisive on PCB layout -

**Mechanical data**

Mating cycles	≥ 25
Engagement force	≤ 25 N
Disengagement force	≥ 2 N
Coding efficiency	≥ 40 N

**Environmental data**

Temperature range	-40°C to +105°C
Thermal shock	DIN 72594-2 clause 6.2
Temperature and humidity	DIN 72594-2 clause 6.3
Vibration and mechanical shock	DIN 72594-2 clause 6.1
Dry heat	DIN 72594-2 clause 6.4
Soldering profile	acc. to IEC 60068-2-58 group3&4
2002/95/EC (RoHS)	compliant

**Tooling**

N/A

**Packing**

Standard	50 pcs in blister, 325 pcs. in tape & reel
Weight	4,7 g/pce