

Electrical data

Impedance	50 Ω
Frequency	DC to 9 GHz
Return loss	≥ 25 dB, DC to ≤ 3 GHz ≥ 20 dB, > 3 GHz to ≤ 6 GHz ≥ 12 dB, > 6 GHz to ≤ 9 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1x10 ³ MΩ
Center contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	≤ 800 V rms
Working voltage	≤ 60 V rms
Power current	≤ 1 A DC
Cross talk (optional)	≤ -60 dB up to 10 GHz

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

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 30 N*
Disengagement force	≥ 5 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 150 N
Weight	3.0 g

* according to USCAR 25 Rev. 3, tests specified in USCAR 17 Rev. 5 TG-G

Environmental data

Temperature range	-40 °C to +105 °C
Thermal shock	ISO 20860-2 clause 9.2
Temperature and humidity	ISO 20860-2 clause 9.3
Vibration and mechanical shock	ISO 20860-2 clause 9.1
Dry heat	ISO 20860-2 clause 9.4
Soldering profile	acc. to IEC 60068-2-58; Group 3 (250 °C / 30 s)
RoHS	compliant

Packing








Standard	1.480 pcs (185 pcs in tape & reel, 8 reels in box)
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Coding

Part number has to be accomplished by codification

Coding	Color	RAL	Part-Number-RT
 A	black	sim. 9005	AMS19B-40MZ5-A
 B	white	sim. 9010	AMS19B-40MZ5-B
 C	blue	sim. 5012	AMS19B-40MZ5-C
 D	claret violet	sim. 4004	AMS19B-40MZ5-D
 E	green	sim. 6017	AMS19B-40MZ5-E
 F	brown	sim. 8011	AMS19B-40MZ5-F
 Z	waterblue	sim. 5021	AMS19B-40MZ5-Z

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
T. Georg	24.02.19	T. Georg	25.10.22	a00	22-s222	L. Türk	25.10.22