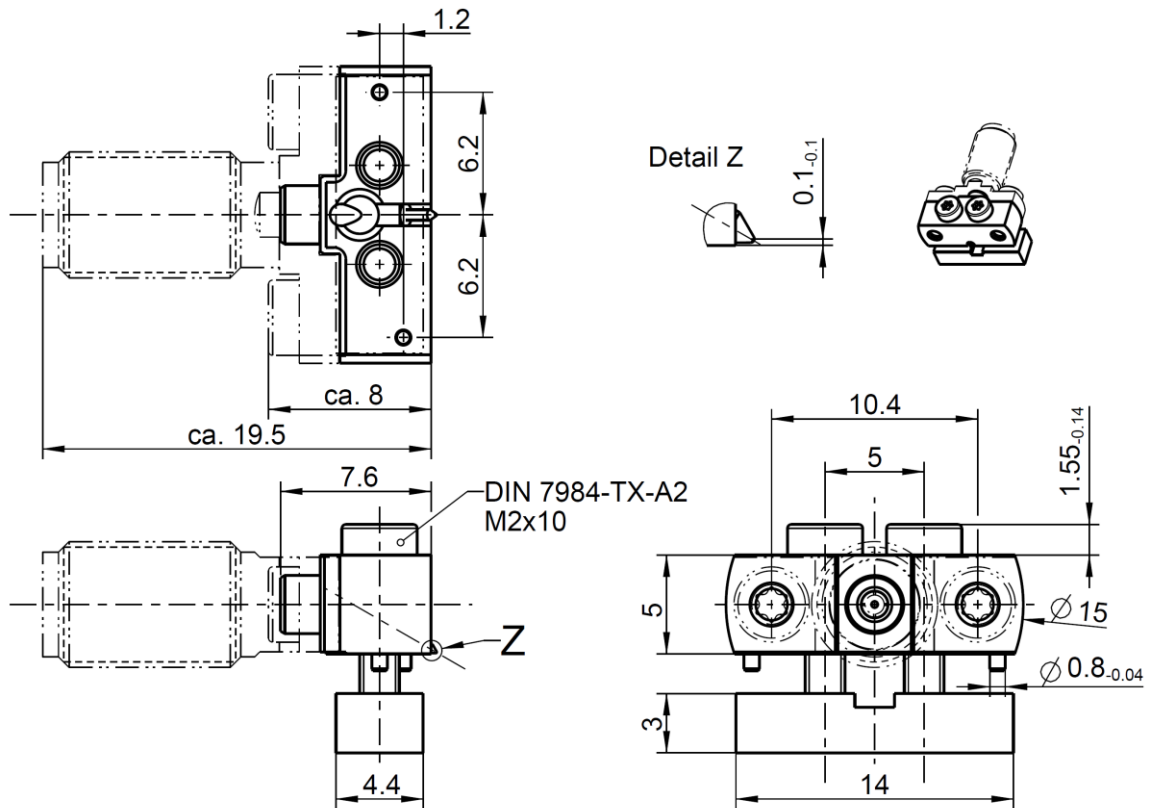




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

Special to mate with

03K701-800L3, 02K702-800L3, 32K701-800L3, 09K701-800L3

Documents

PCB layout
Datasheet
Datasheet
Datasheet
Datasheet

B 526
03K701-800L3
02K702-800L3
32K701-800L3
09K701-800L3

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Sealing compound
Counterplate
Screws

Material

CuBe
Brass
PEEK
Stycast W19
Brass
Stainless steel

Plating

AuroDur®, gold plated
AuroDur®, gold plated
N/A

AuroDur®, gold plated
Tuflok coated

Technical Data Sheet				Rosenberger			
Right angle plug PCB 50 Ω				99S2A5-40ML5			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 50 GHz					
Return loss		≥ 20 dB @ DC to 26,5 GHz					
		≥ 16 dB @ 26,5 GHz to 35 GHz					
		≥ 12 dB @ 35 GHz to 50 GHz					
Insertion loss		≤ 0.1 x √ f [GHz] dB					
Insulation resistance		≥ 5 GΩ					
Center contact resistance		≤ 1.5 mΩ					
Outer contact resistance		≤ 1 mΩ					
- Connector only, return loss in application depends decisive on PCB layout and soldering -							
Mechanical data							
Mating cycles		min. 50					
Center contact captivation: axial		min. 27 N					
Center contact captivation: radial		min. 3 Ncm					
Environmental data							
Temperature range		-40°C to +125°C					
Thermal shock		IEC 61169-1, Subclause 9.4.4					
Corrosion		IEC 61169-1, Subclause 9.4.6					
Vibration		IEC 61169-1, Subclause 9.3.3					
Shock		IEC 61169-1, Subclause 9.3.14					
Moisture resistance		IEC 61169-1, Subclause 9.4.3					
Max. soldering temperature		IEC 61760-1, +260°C for 10 sec.					
RoHS		compliant					
Tooling							
		N/A					
Suitable cables							
		N/A					
Weight							
		2.3 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
A. Maiwälder	07.09.16	A. Schadhauser	14.11.17	b00	22-0491	J. Rohloff	28.03.22
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de			Page 2 / 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[99S2A5-40ML5](#)