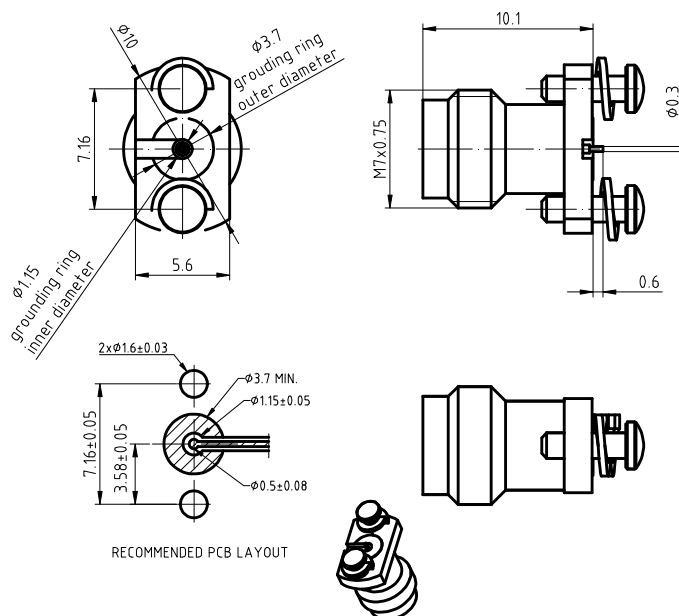


R08K70X-500S3



Interface

IEC 61169-32
RPC-2.4

Documents

N/A

Material and plating

Material

CuBe
Stainless steel
PEEK
Stainless steel

Gold, min. 1.27 μm , over chemical nickel
Passivated

Passivated

Electrical data

Technical Data Sheet

Rosenberger

RPC 1.85

Straight Jack PCB
Solderless compression

R08K70X-500S3

Impedance	50 Ω
Frequency	DC to 67 GHz
Return loss	≥ 15 dB
Insertion loss	≤ 0.5 dB
Insulation resistance	$\geq 5 \times 10^3$ M Ω
Center contact resistance	≤ 4.0 m Ω
Outer contact resistance	≤ 2.5 m Ω
Test voltage	500 V rms
Working voltage	150 V rms
RF-leakage	≥ 100 dB up to 1 GHz

- connector only, VSWR in application depends decisive on PCB layout.

Mechanical data

Mating cycles	≥ 500
Center contact captivation	axial: ≥ 20 N radial: ≥ 1 Ncm
Coupling test torque	≤ 1.65 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-45°C to +125°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion resistance	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,
RoHS	compliant

Accessories

Available Screws DIN 7985-H-A2 UNF 0-80 for different PCB lengths.
Standard length = 0-80 UNF x 4.76 mm, suitable for PCB thickness = 0.76 mm to 2.44 mm
(already included with the connector)
Optional length = 0-80 UNF x 6.35 mm, suitable for PCB thickness = 1.78 mm to 4.19 mm
Optional length = 0-80 UNF x 9.50 mm, suitable for PCB thickness = 4.32 mm to 7.50 mm

Tooling

N/A

Packing

Weight	2.2 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	Checked	Approved	Date	Rev.	Engineering change number	Name	Date
XBH	01.12.23			01.12.23	100	23-m001	XBH	01.12.23

Mouser Electronics

Authorized Distributor

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

[Rosenberger:](#)

[08K725-40MS3](#)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF Connectors / Coaxial Connectors](#) ***category:***

Click to view products by [Rosenberger](#) ***manufacturer:***

Other Similar products are found below :

[6002-7051-003](#) [6059674-1](#) [630059-000](#) [M55339/15-00491](#) [7002-1541-010](#) [7002-1572-002](#) [7003-1572-002](#) [7004-1512-000](#) [7009-1511-004](#)
[7105-1521-002](#) [7145-1521-002](#) [7203-1571-003](#) [7209-1511-011](#) [7405-1521-005](#) [7405-1521-019](#) [7405-1521-802](#) [755-74-5](#) [7706-2](#) [873183](#)
[PL375-33](#) [95-850-148-3](#) [R107003010W](#) [R112186000](#) [R113082097](#) [R113236000](#) [R113240097](#) [R114083000](#) [R114670000W](#) [R121053000](#)
[R124072220W](#) [R124076450](#) [R124175123](#) [R125075001](#) [R125414001](#) [R125415030](#) [R125415271](#) [R141007161](#) [R141574161W](#)
[R142004000W](#) [R142076000W](#) [R142076161W](#) [R142184000W](#) [R142676700](#) [R143012000](#) [R143075000W](#) [R143089117](#) [R143235161W](#)
[R143292700](#) [R143557000](#) [R161008000](#)