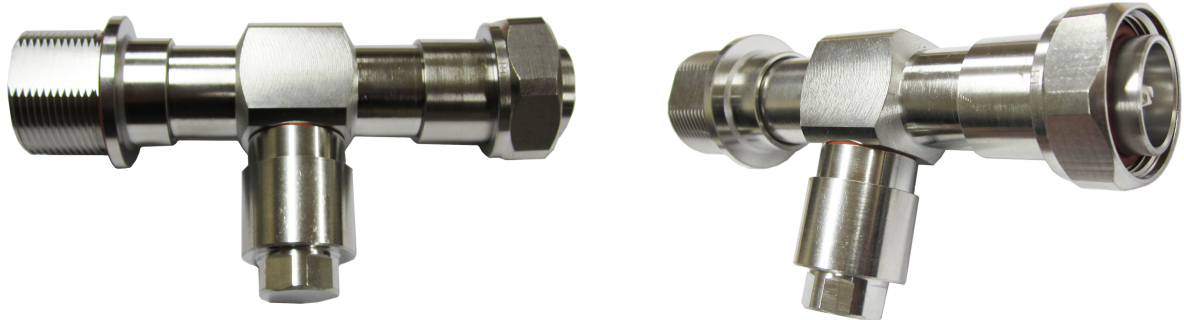


7/16 SURGE ARRESTOR
BULKHEAD JACK - PLUG

60BK566-S230N1



Order No	Nom. DC spark over voltage	Residual voltage (20kA 8/20 μ s)	Residual voltage (4kV 1.2/50 μ s, 2kA 8/20 μ s)	Residual energy (4kV 1.2/50 μ s, 2kA 8/20 μ s)	Power handling (20 °C, sea level, VSWR 1.0)	Gas capsule
60BK566-S230N1	230 V	≤ 900 V	≤ 700 V	≤ 1.6 mJ	5000 W	53ZB01-230

Interface

According to

IEC 61169-4, EN 122190, DIN 47223

Documents

Panel piercing
Assembly instruction

B 75
53_MV-A002

Material and plating

Connector parts

Center contact female side
Center contact male side
Outer contact
Body
Dielectric PTFE
Gasket Silicone

Material

Spring bronze
Brass
Brass
Brass

Plating

Silver, 3-6 μ m
Silver, 3-6 μ m
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

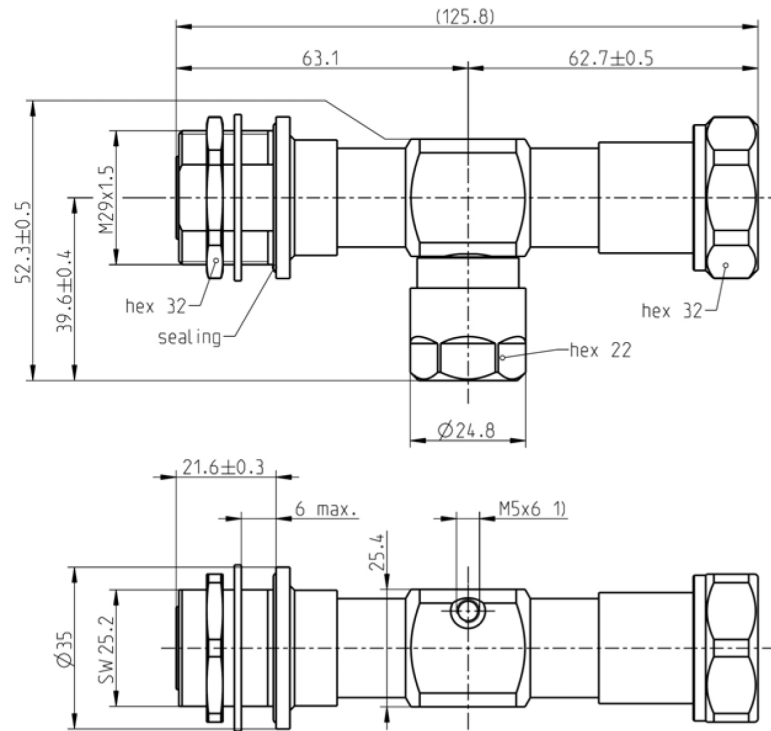
Electrical data

Impedance	50 Ω
Operating frequency	1.7 MHz – 12 MHz, 698 to 2700 MHz
Return Loss	≥ 14 dB, 1.7 to 12 MHz ≥ 26 dB, 698 to 2700 MHz
Insertion Loss	≤ 1.0 dB, 1.7 to 12 MHz ≤ 0.1 dB, 698 to 2700 MHz
Center contact resistance	< 0.4 m Ω
Outer contact resistance	< 1.5 m Ω
RF-leakage	< -128 dB @ 1 GHz
Intermodulation (3 rd Order)	< -115 dBm @ 2 x 20 W
DC pass	20A @ 50V (90V gas capsule)
AISG pass	
Nominal impulse discharge current	10 x 20 kA (8/20 μ s) 1 x 30 kA (8/20 μ s)

Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

7/16

SURGE ARRESTOR
BULKHEAD JACK - PLUG**60BK566-S230N1****Mechanical data**

Mating cycles	min. 500
Coupling nut retention	≥ 1000 N
Center contact captivation: axial	≥ 200 N
radial	≥ 2 Ncm
Coupling torque (recommended)	25 to 30 Nm
Proof torque	max. 35 Nm

Environmental data

Temperature range	-45°C to +85°C
Rapid change of temperature	IEC 60068-2-14 Test Na
Corrosion salt mist	IEC 60068-2-11 Test Ka
Vibration	IEC 60068-2-6 Test Fc
Shock	IEC 60068-2-27 Test Ea
Climatic class	IEC 60068-1 (45/85/56)
Cold	IEC 60068-2-1 Test A
Dry heat	IEC 60068-2-2 Test B
Damp heat (steady state)	IEC 60068-2-3 Test Ca
Degree of protection (mated pair)	IEC 60529, IP68 2.5 bar, mated condition
2002/95/EC (RoHS)	compliant

Packing

Standard	1 pce in box
Weight 519	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
Hauke Schütt	03/03/10	M. Wimmer	14/05/12	b00	12-0003	M. Wimmer	14/05/12
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