

60BK566-S090N1



Order No	Nom. DC spark over voltage	Residual voltage (20kA 8/20 μs)	Residual voltage (4kV 1.2/50μs, 2kA 8/20 μs)	Residual energy (4kV 1.2/50μs, 2kA 8/20 μs)	Power handling (20 °C, sea level, VSWR 1.0)	Gas capsule
60BK566-S090N1	90 V	Tbd	Tbd	Tbd	1000 W	53ZB03-090
60BK566-S230N1	230 V	Tbd	Tbd	Tbd	5000 W	53ZB01-230
60BK566-S350N1	350 V	Tbd	Tbd	Tbd	10000 W	53ZB01-350

IEC 60169-4, VG 95250, EN 122190, DIN 47223

B 75
53 MV-A001

Silver, 3-6 µm
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Flash white bronze over silver(e.g. Optargen®)
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**SURGE ARRESTER
BULKHEAD JACK -**
60BK566-S090N1
Electrical data

Impedance	50 Ohm
Operating frequency	698 to 2700 MHz
Return Loss	≥ 26 dB
Insertion Loss	≤ 0.1 dB
Center contact resistance	< 0.4 mΩ
Outer contact resistance	< 1.5 mΩ
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 μs) 1 x 30 kA (8/20 μs)

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 tbd	g

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	H.Schütt	15/03/10	100	10-e044	Nobis A.	08.03.2010
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