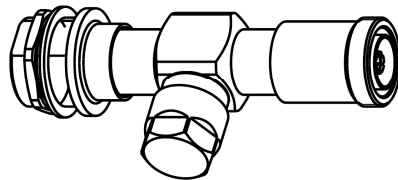


1) thread for grounding screw M5, washer and spring washer loose insert



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

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-K090N1	90 V	≤ 650 V	≤ 650 V	≤ 1 mJ	1000 W	53ZB01-090
60BK566-K230N1	230 V	≤ 900 V	≤ 700 V	≤ 1.6 mJ	5000 W	53ZB01-230
60BK566-K350N1	350 V	≤ 1000 V	≤ 900 V	≤ 2 mJ	10000 W	53ZB01-350

Interface

According to

IEC 61169-4, EN 122190, DIN 47223

Documents

Panel piercing
Assembly instruction

B 75
53_MV-A001

Material and plating

Connector parts

Center contact female side
Outer contact
Body
Dielectric
Gasket

Material

Spring bronze
Brass
Brass
PTFE
Silicone

Plating

Silver, 3-6 µm
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 mΩ
Outer contact resistance < 1.5 mΩ
RF-leakage < -128 dB @ 1 GHz
Intermodulation (3rd 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
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 DIN EN 122190, Sub-clause 4.6.7
Corrosion resistance DIN EN 122190, Sub-clause 4.6.10
Vibration DIN EN 122190, Sub-clause 4.6.3
Climatic category DIN EN 122190, Sub-clause 4.6.5 (45/85/56)
Damp heat DIN EN 122190, Sub-clause 4.6.6
Degree of protection (mated pair) IEC 60529, IP68 2.5 bar, mated condition
RoHS compliant

Weight

Weight 452 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
Martin Wimmer	25/07/11	Wimmer	07.05.15	b00	15-0010	Markus Wallner	07.05.15
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