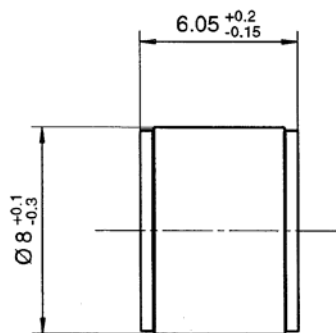


metal ceramic drain  
gas capsule 90V 20A 20KA

**53ZB01-090**



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

**Documents**

Terms in accordance with ITU-T Rec. K. 12 and  
DIN 57845 / VDE 0845

**Weight**

Weight 1.5 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
Inge Mühlauer	22/06/04	Sa. Krautenbacher	19.03.14	b00	14-0352	T. Krojer	19.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>				Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>			Page 1 / 2

metal ceramic drain  
gas capsule 90V 20A 20KA**53ZB01-090****Surge Arrester****2-Electrode-Arrester**

DC spark-over voltage <sup>1)2)</sup>	90 ± 20	V %
Impulse spark-over voltage at 100 V/μs - for 99 % of measured values - typical values of distribution	< 500 < 450	V V
at 1 kV/μs - for 99 % of measured values - typical values of distribution	< 600 < 550	V V
Nominal impulse discharge current (wave 8/20 μs)	20	kA
Single impulse discharge current (wave 8/20 μs)	25	kA
Single impulse discharge current (wave 10/350 μs)	5	kA
Nominal alternating discharge current (50 Hz, 1 s)	20	A
Alternating discharge current (50 Hz, 9 cycles)	100	A
Insulation resistance at 50 V <sub>dc</sub>	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 60	V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845