

Gas discharge tube 90 V

9071.99.0548

Properties

- Designed for operations exceeding 25 years
- GDT specification according to international standard ITU-T K.12
- Two electrode gas discharge tube 6x8 mm without holder



Electrical data	
CW power frame	≤ 20 W
DC sparkover	90 V, +/- 20 % (@ 100 V/s)
Impulse sparkover 100 V/μs	300 V
Impulse sparkover 1000 V/μs	500 V
Insulation resistance	> 100 GΩ (@ 50 V)
Glow voltage	approx. 70 V (@ 10 mA)
Arc voltage	approx. 10 V (@ > 1 A)
Glow-Arc transition current	< 0.5 A
Capacitance	< 1 pF (@ 1 MHz)
DC Holdover voltage	< 150 ms (@ 52 V)
Impulse discharge current	≥ 1 operations (@ 30 kA, 8/20 μs)
	≥ 10 operations (@ 20 kA, 8/20 μs)
	≥ 400 operations (@ 500 A, 10/1000 μs)
	≥ 1000 operations (@ 100 A, 10/1000 μs or 10/7000 μs)
Alter discharge current	≥ 1 operations (@ 65 Arms, 11 cycles)
	≥ 10 operations (@ 10 Arms, 1 s)
Mechanical data	
Weight	1.8 g
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-55 °C ... 125 °C
Ingress protection (IP Rating)	Unmated / IP66, IP68, according to IEC 60529 (24 h of water, 1 m)

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Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
23034582	RoHS 2011/65/EU and (EU) 2015/863	Compliant without exemption	
	REACH 1907/2006 Article 33 SVHC	Free of SVHC >0,1%	

Additional Information	
Remarks	Test methods per ITU-T (CCITT) K.12, IEEE C62.31, RUS PE-80, Telcordia GR 1361
With capsule holder	No

Ordering Information Table	
Item number	Item description
23034582	9071.99.0548 (73_Z-0-0-548)

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