

SEMPER Gas Discharge Tube 350 V (for series 3402 platform 3000)

9071.99.0949

Properties

- Designed for operations exceeding 25 years
- GDT specification according to international standard ITU-T K.12
- Self Extinguisher GDT with holder included
- For EMP series 3402 platform 3000 operating up to 3GHz

**Electrical data**

CW power frame	$\leq 325 \text{ W}$
DC sparkover	350 V, 15 % (@ 100 V/s)
Impulse sparkover 100 V/ μs	600 V
Impulse sparkover 1000 V/ μs	875 V
Insulation resistance	$> 10 \text{ G}\Omega$ (@ 100 V)
Glow voltage	approx. 70 V (@ 10 mA)
Arc voltage	approx. 10 V (@ $> 1 \text{ A}$)
Glow-Arc transition current	$< 0.5 \text{ A}$
Capacitance	$< 1 \text{ pF}$ (@ 1 MHz)
DC Holdover voltage	$< 150 \text{ ms}$ (@ 135 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)
DC current	$\leq 2.5 \text{ A}$ at 48 V
	$\leq 4 \text{ A}$ at 27 V
	$\leq 6 \text{ A}$ at 24 V
	$\leq 13 \text{ A}$ at 17 V
Turn-off time	20 sec. typically at 2.0 A and 25°C ambient temperature
	< 40 sec. typically below 1 A and 25°C ambient temperature
Recovery time	7 sec. at 25°C ambient temperature

Mechanical data

Weight	14 g
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Environmental data	
Operation temperature	-20 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Additional Information	
Remarks	GDT unit for retrofit and replacement for series 3402 (Platform 3000)
With capsule holder	Yes
Ordering Information Table	
Item number	Item description
85031824	9071.99.0949

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