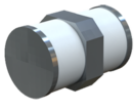
3-electrode GDT for Surface Mounting

GDT

BMSQ CMS (T&R) 420/20



- The smallest 2-electrode GDT
- No radioactive
- ITU-K12 compliant
- Surface Mounting Device: electrod anti-rolling
- Tape & Reel Packaging

RoHS

Electrical Characteristics		
DC sparkover voltage (100V/s)		336-504 V
DC spark voltage tolerance (100V/s)		+/- 20%
Maximum impulse sparkover voltage (1kV/µs)		<1000 V
Nominal discharge current(10 x 8/20µs impulses)	In	10 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	25 kA
Impulse current by pole (max. withstand 10/350µs by pole)	Iimp	2 kA
Impulse discharge current (10/350µs - 1 time)		2 kA
Max. capacitance	C	<0.5 pF
Insulation resistance	IR	≥10 GOhms
Arc Voltage		≤ 25 V
Glow-to-arc transition current		0.5 A
Glow voltage		≤ 100 V
AC discharge current (50Hz)		10 A
DC Holdover voltage (R = 300 ohms in serie R = 150 ohms; 100nF en parrallel)		>80 V
Mechanical Characteristics		
Technology		Gas discharge tube
Mounting		Surface Mounting Device
Operating and storage temperature		-40°C / +90°C
Failsafe mode		With fail-safe: BMSQ CMS FL (T&R) 420/20 (929801801)
Tape&Reel Version		Standard version
Dimensions		See diagram
Standards		
Standards compliance		ITU-T K12 rec.
RohS compliance		Yes
Part number		
929921801		

Note: NQA Niveau II 0,65, ISO DIN 2859

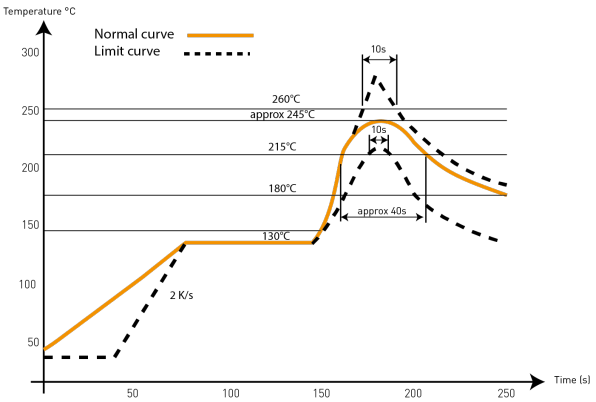
Soldering recommendation

Welding curve by reflow for SMT (Surface Mounting Technique) gas discharge tubes:

Packaging specification

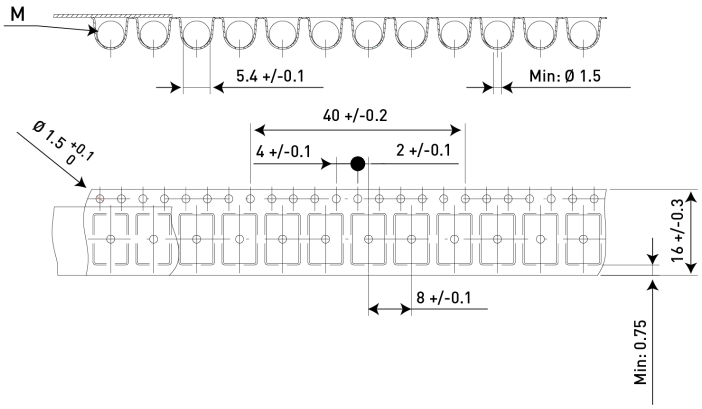
Tape & Reel for gas discharge tubes with SMD mounting:

BMSQ CMS (T&R) 420/20



The curve is conform with the standard test: IEC 60068 part 2-58.

Annotation:
The soldering oven (reflow or wave) for gas discharge tube with failsafe mechanism must to be define with precaution.



The CITEL gas discharge tubes for surface mounting with SMT mounting are provided in a Tape and Reel following the IEC 286-3 specification.