GDTN3RD5-XX

Gas Discharge Tube

Features

- 3-electrode arrester
- Very small size
- Extremely fast response time
- Stable performance over life
- Extremely low capacitance (<1.5pF)
- High insulation resistance

Application

- Modem
- Splitter
- Base stations

Electrical Specifications

Part number	DC Spark-over Voltage 1) 2)	Maximum Impulse Spark-over Voltage	Service Life 3)	Insulation resistance	Capacitance	Marking
	100V/s	1kv/μs	8/20μs 10times	@ 100V_{DC}	@ 1 MHz	
	(V)	(V)	(KA)	(GΩ)	(pF)	
GDTN3RD5-75	75±25%	650	5	>1@50V_{DC}	< 1.5	3R-075
GDTN3RD5-90	90±25%	650	5	>1@50V_{DC}	< 1.5	3R-090
GDTN3RD5-150	150±25%	650	5	> 1	< 1.5	3R-150
GDTN3RD5-230	230±20%	700	5	> 1	< 1.5	3R-230
GDTN3RD5-300	300±20%	800	5	> 1	< 1.5	3R-300
GDTN3RD5-350	350±20%	800	5	> 1	< 1.5	3R-350
GDTN3RD5-400	400±20%	900	5	> 1	< 1.5	3R-400
GDTN3RD5-420	420±20%	900	5	> 1	< 1.5	3R-420
GDTN3RD5-470	470±20%	950	5	> 1	< 1.5	3R-470
GDTN3RD5-600	600±20%	1050	5	> 1	< 1.5	3R-600

1) At delivery AQL 0.65 level II, DIN ISO 2859.

2) In ionized mode.

3) Tests according to ITU-T Rec. K. 12 and UL 497B.

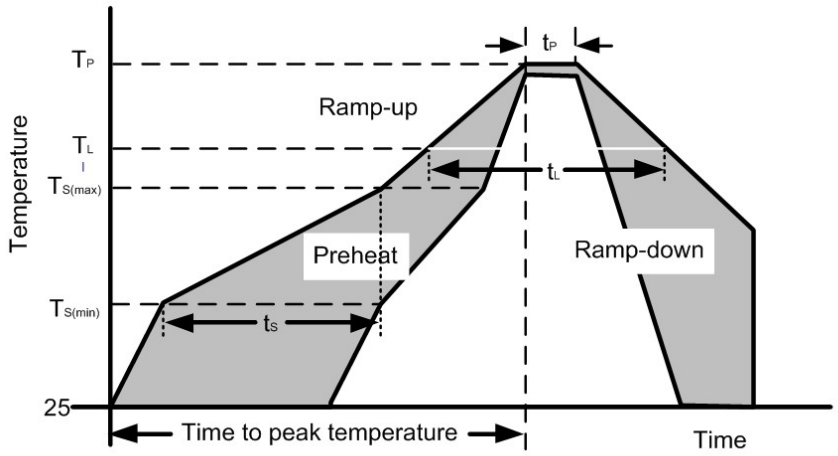
Terms and current waveforms in accordance with: ITU-T Rec. K.12; IEC 61643-21 and DIN 57845/VDE0845.

Thermal Consideration

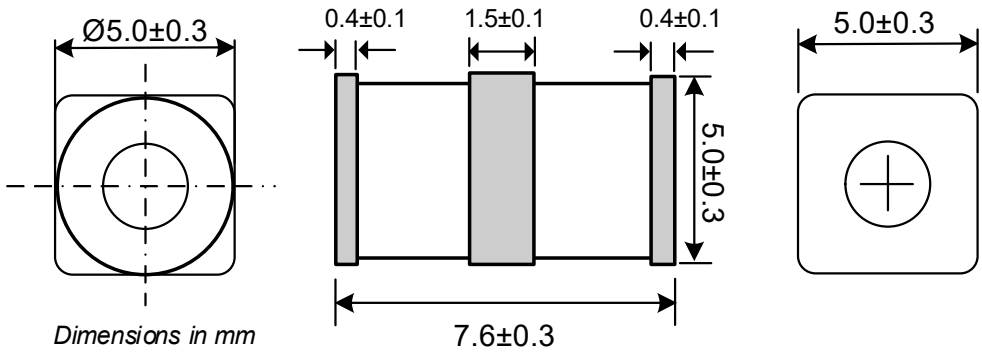
Symbol	Parameter	Value	Unit
Ts & Tj	Storage & Operating temperature range	-40 to +85	°C

Soldering Parameters

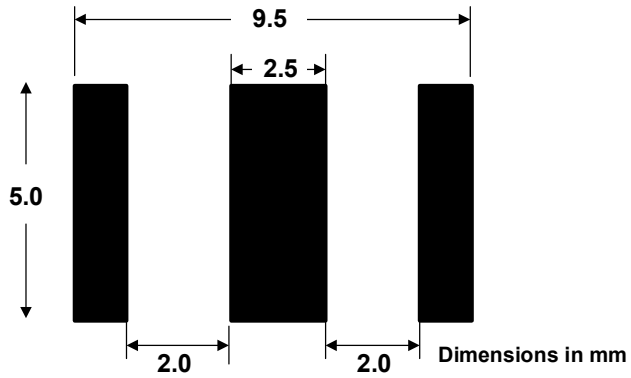
Reflow Condition		Pb – Free assembly
Pre Heat	Temperature Min ($T_{s(min)}$)	150°C
	Temperature Max ($T_{s(max)}$)	200°C
	Time (min to max) (ts)	60 – 190 secs
Average ramp up rate (Liquidus Temp) (T_L) to peak		5°C/second max
$T_{S(max)}$ to T_L——Ramp-up Rate		5°C/second max
Reflow	Temperature (T_L) (Liquidus)	217°C
	Temperature (t_L)	60 – 150 seconds
Peak Temperature (T_P)		$260^{+0/-5}$ °C
Time within actual peak Temperature (t_p)		20 – 40 seconds
Ramp-down Rate		5°C/second max
Time 25°C to peak Temperature (T_P)		8 minutes Max.
Do not exceed		260°C



Dimensional Drawing



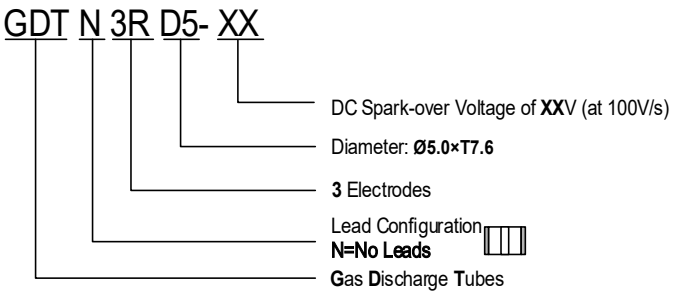
Solder Pad Layout

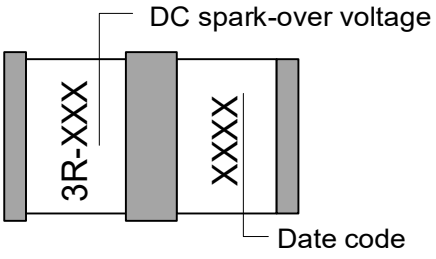


Cautions and Warnings

- Gas Discharge Tubes must not be operated directly in power supply networks.
- Gas Discharge Tubes may become hot in case of longer periods of current stress (danger of burning).
- Gas Discharge Tubes may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged Gas Discharge Tubes must not be re-used.

Part Numbering and Marking System





Package Information

Tape and reel:1000 pcs per reel.

Contact Information

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For additional information, please contact your local Sales Representative.

单击下面可查看定价，库存，交付和生命周期等信息

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