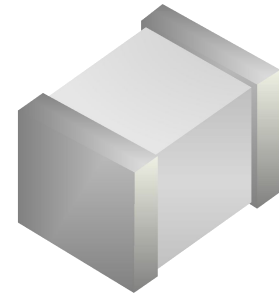


**Gas Discharge Tube**

**Features**

- 2-electrode arrester
- Very small size
- Extremely fast response time
- Stable performance over life
- Extremely low capacitance (<1.0pF)
- High insulation resistance



**Application**

- Modem
- Splitter
- Base stations
- PCI cards
- Application with limited space

**Electrical specifications**

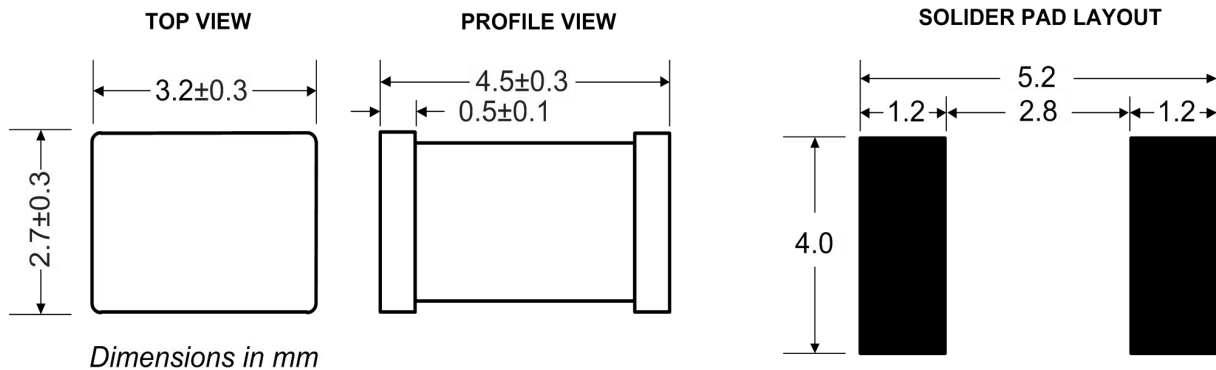
Part number	DC Spark-over Voltage <small>1) 2)</small>	Maximum Impulse Spark-over Voltage	Service Life <small>3)</small>	Insulation resistance	Capacitance	Marking Code
		1kv/μs	8/20μs 10times	@ 100V <sub>DC</sub>	@ 1 MHz	
	(V)	(V)	(KA)	(GΩ)	(pF)	
GDTN2RS3-75	75 ± 30%	550	1KA	> 1	< 1	None
GDTN2RS3-75H	75 ± 30%	550	2KA	> 1	< 1	None
GDTN2RS3-90	90 ± 30%	550	1KA	> 1	< 1	None
GDTN2RS3-90H	90 ± 30%	550	2KA	> 1	< 1	None
GDTN2RS3-150	150 ± 20%	600	1KA	> 1	< 1	None
GDTN2RS3-150H	150 ± 20%	600	2KA	> 1	< 1	None
GDTN2RS3-200	200 ± 20%	600	1KA	> 1	< 1	None
GDTN2RS3-200H	200 ± 20%	600	2KA	> 1	< 1	None
GDTN2RS3-300	300 ± 20%	700	1KA	> 1	< 1	None
GDTN2RS3-300H	300 ± 20%	700	2KA	> 1	< 1	None
GDTN2RS3-400	400 ± 20%	950	1KA	> 1	< 1	None
GDTN2RS3-400+	400 - 600	950	1KA	> 1	< 1	None
GDTN2RS3-420	420 ± 20%	950	1KA	> 1	< 1	None
GDTN2RS3-470	470 ± 20%	1000	1KA	> 1	< 1	None
GDTN2RS3-600	600 ± 20%	1200	1KA	> 1	< 1	None
GDTN2RS3-800	800 ± 20%	1600	1KA	> 1	< 1	None

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.

Dimensional drawing



Dimensions in mm

Cautions and warnings

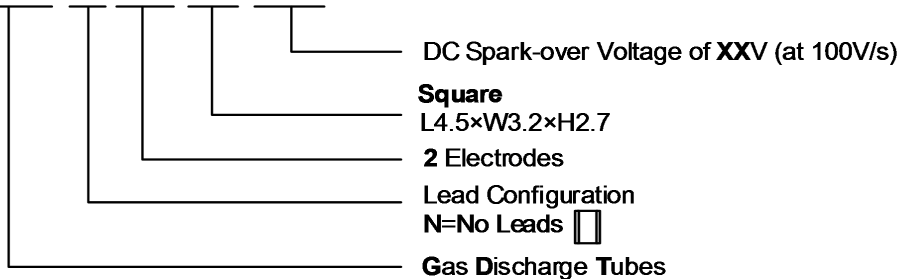
- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the headcontacts may fail or the component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

Thermal Consideration

Symbol	Parameter	Value	Unit
Ts & Tj	Storage & Operating temperature range	-40 to +90	°C

Part Numbering System

GDT N 2R S3- XX



Package Information

Tape and Reel: 2000pcs per reel.

CONTACT INFORMATION

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For additional information, please contact your local Sales Representative.

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Specifications are subject to change without notice.  
 The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.  
 Users should verify actual device performance in their specific applications.