

GTCX26-XXM-R05 Series

Device Voltage Ratings and Part Marking

Part Number	DC Sparkover	Impulse Sparkover		DC Holdover Voltage	On-State Voltage
	@100V/s ±20% Tolerance (V)	@100 V/μs (V)	@1000 V/μs (V)	Per ITU K.12 (<150ms) (V)	Nominal (@ 1A) (V)
GTCX26-750M-R05	75	450	550	<52	20
GTCX26-900M-R05	90	450	550	<52	20
GTCX26-141M-R05	140	500	600	<80	20
GTCX26-151M-R05	150	500	600	<80	20
GTCX26-201M-R05	200	600	700	<135	20
GTCX26-231M-R05	230	600	700	<135	20
GTCX26-251M-R05	250	600	700	<135	20
GTCX26-261M-R05	260	700	800	<135	20
GTCX26-301M-R05	300	800	900	<150	20
GTCX26-351M-R05	350	900	1000	<150	20
GTCX26-401M-R05	400	900	1000	<150	20
GTCX26-421M-R05	420	900	1000	<150	20
GTCX26-471M-R05	470	1050	1150	<150	20
GTCX26-501M-R05	500	1100	1200	<150	20
GTCX26-551M-R05	550	1300	1400	<150	20
GTCX26-601M-R05	600	1300	1400	<150	20

Device Surge Rating, Capacitance, Insulation Resistance, UL

Part Number	Impulse Discharge Current	Impulse Life	AC Discharge Current (1sec duration; 10 hits)	Capacitance	Insulation Resistance	UL Rating
	8x20μs 10 hits	10x1000μs 300 hits	@ 50 Hz	@1Mhz	@100V*	UL497B #E179610
GTCX26-XXM-R05	5kA	100A	5Arms	<1pF	10,000 (MΩ)	All Devices

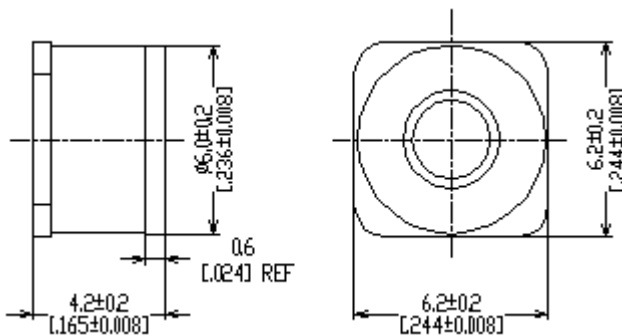
Devices <=90V measured @ 50V
 Devices >=500V measured @ 250V

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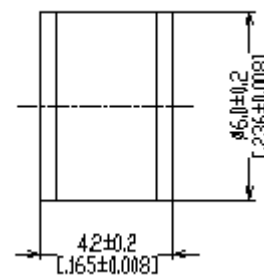
Product Dimensions

DIMENSIONS = MILLIMETERS [INCHES]

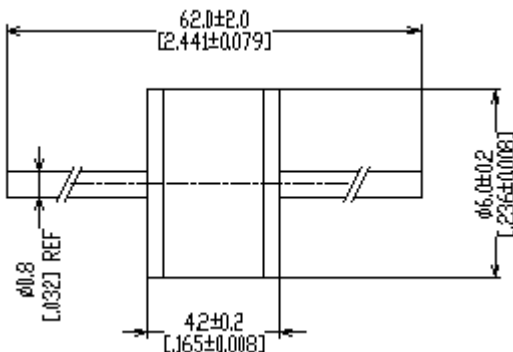
Surface-mount (GTCS26-XXM-R05)



No Leads (GTCN26-XXM-R05)

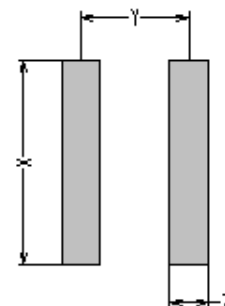


Axial Leads (GTCA26-XXM-R05)



Pad Layout – Surface-mount Devices (GTCS26-XXM-R05)

	X	Y	Z
	NOM	NOM	NOM
mm:	7.0	3.7	1.3
in*:	(0.276)	(0.146)	(0.051)



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General Characteristics

No Radioactive Material

Storage Temperature: -40°C to +90°C

Operating Temperature: -40°C to +90°C

Body: Nickel Plated

Leads: Surface-mount, Axial Devices: Tin Plated

Devices with No Leads: Nickel Plated

Soldering Note: Devices with no leads are non-solderable; meant for insertion into magazine clips

Packaging Information

Part Description		Tray / Reel	Standard Package
No Leads:	GTCN26-XXM-R05	100pcs	2,000pcs
Axial Leads:	GTCA26-XXM-R05	100pcs	1,000pcs
Surface-mount:	GTCS26-XXM-R05	100pcs	2,000pcs
Surface-mount (T&R):	GTCS26-XXM-R05-2	750pcs	6000pcs

Part Numbering System

Example Part Number: GTCX26-351M-R05

GT =	Gas Tube
C =	Ceramic
X =	Lead Configuration: N = No leads; A = Axial Leads; S = Surface-mount
2 =	2 Electrode device
6 =	6mm Diameter
351 =	DC Spark Over Voltage of 350V (at 100V/s)
M =	Tolerance of 20% on DC Spark Over Voltage
R =	Product Family Designator
05 =	Surge rating: 8x20µs 5kA 10 times

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Part Marking Reference

Example Part Marking: ⚡ 35 R05 GN

⚡ =	Manufacture Mark
35 =	Voltage Designator (35 = 350V)
R05 =	Product Family Designator + Surge Current 5kA (8x20μs 10 hits)
GN =	Year and Week of Manufacture

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