TWO ELECTRODE SURGE ARRESTERS

CG/CG2 Series

DESCRIPTION

SRC Devices CG/CG2 GDT's are designed for a high degree of surge protection at a low cost. The CG Series (75-110V) is used for protection of test and communication equipment in which low voltage limits and extremely low arc voltages are required. The CG2 Series (145V-1000V) is used for protecting equipment for which higher voltage limits and holdover voltages are necessary. Comgaps function as switches which dissipate a minimum amount of energy and therefore handle currents that far surpass other types of transient voltage protection.

FEATURES

- Small size
- Rugged ceramic-metal construction
- Low capacitance (<1pF)
- Non Radioactive 600-1000 V
- Available with or without leads
- Available in tape-and-reel packaging

APPLICATIONS

- Communication lines
- CATV equipment
- Test equipment
- Data lines
- Power supplies
- Instrumentation circuits
- Medical electronics

APPROVALS

- UL Recognized: File Number E111526
- Meets REA PE-80

RATINGS (@ 25° C)

Parameter	Min	Typ	Max	Units
DC Breakdown Voltage	60	75	90	V
	72	90	108	V
	88	110	132	V
	116	145	174	V
	195	230	265	V
	213	250	288	V
	255	300	345	V
	297	350	403	V
	400	470	540	V
	510	600	690	V
	680	800	920	V
	850	1000	1150	V
Insulation Resistance	10^{10}	-	-	Ω
Capacitance	-	-	1	pF
Operational Temperature	-40	-	+125	°C

(See detailed specifications for more information.)

SPECIFICATIONS

All characteristics at 25°C

PARAMETER	CONDITIONS	SYMBOL	CG75 MIN	CG75 TYP	CG75 MAX	CG90 MIN	CG90 TYP	CG90 MAX	CG110 MIN	CG110 TYP	CG110 MAX	UNITS
Device Specifications												
DC Breakdown	500V/s	V_{BD}	60	75	90	72	90	108	88	110	132	V
Impulse Breakdown	100V/µs	V_{bd}	-10	-	400	-10	-	400	-10	-	450	V
Insulation Resistance	50V	IR	10^{10}	-	-	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	10	-	-	10	-	-	10	-	V
Life Ratings(1)												
Surge Life	500A (10/1000µs)	-	1000	-	-	1000	-	-	1000	-	-	shots
Max Current Surge	20kA (8/20µs)	-	5	-	-	5	-	-	5	-	-	shots
AC Current	10x 1sec @ 60Hz	-	-	-	20	-	-	20	-	-	20	A
DC Holdover Voltage	per REA PE-80, 0.2A	-	-	55	-	-	65	-	-	80	-	V

PARAMETER	CONDITIONS	SYMBOL	CG2145 MIN	CG2145 TYP	CG2145 MAX	CG2230 MIN	CG2230 TYP	CG2230 MAX	CG2250 MIN	CG2250 TYP	CG2250 MAX	UNITS
Device Specifications												
DC Breakdown	500V/s	V_{BD}	116	145	174	195	230	265	213	250	288	V
Impulse Breakdown	100V/µs	V_{bd}	-10	-	500	-10	-	600	-10	-	625	V
Insulation Resistance	100V	IR	10^{10}	-	-	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	15	-	-	15	-	-	15	-	V
Life Ratings(1)												
Surge Life	500A (10/1000µs)	-	1000	-	-	1000	-	-	1000	-	-	shots
Max Current Surge	20kA (8/20µs)	-	5	-	-	5	-	-	5	-	-	shots
AC Current	10x 1sec @ 60Hz	-	-	-	20	-	-	20	-	-	20	A
AC Follow-on Current	1/2 cycle @ 60Hz	-	-	-	20	-	-	20	-	-	20	A pk
DC Holdover Voltage	per REA PE-80,0.2A	-	-	90	-	-	150	-	-	150	-	V

PARAMETER	CONDITIONS	SYMBOL	CG2300 MIN	CG2300 TYP	CG2300 MAX	CG2350 MIN	CG2350 TYP	CG2350 MAX	CG2470 MIN	CG2470 TYP	CG2470 MAX	UNITS
Device Specifications												
DC Breakdown	500V/s	V_{BD}	255	300	345	297	350	403	400	470	540	V
Impulse Breakdown	100V/µs	V_{bd}	-10	-	700	-10	-	750	-10	-	850	V
Insulation Resistance	100V	IR	10^{10}	-	-	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	15	-	-	15	-	-	15	-	V
Life Ratings(1)												
Surge Life	500A (10/1000µs)	-	1000	-	-	1000	-	-	1000	-	-	shots
Max Current Surge	20kA (8/20µs)	-	5	-	-	5	-	-	5	-	-	shots
AC Current	10x 1sec @ 60Hz	-	-	-	20	-	-	20	-	-	20	A
AC Follow-on Current	1/2 cycle @ 60Hz	-	-	-	20	-	-	20	-	-	20	A pk
DC Holdover Voltage	per REA PE-80, 0.2A	-	-	150	-	-	150	-	-	150	-	V

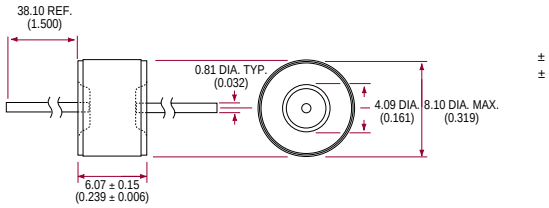
PARAMETER	CONDITIONS	SYMBOL	CG2600 MIN	CG2600 TYP	CG2600 MAX	CG2800 MIN	CG2800 TYP	CG2800 MAX	CG21000 MIN	CG21000 TYP	CG21000 MAX	UNITS
Device Specifications												
DC Breakdown	500V/s	V_{BD}	510	600	690	680	800	920	850	1000	1150	V
Impulse Breakdown	100V/µs	V_{bd}	-10	-	1000	-10	-	1200	-10	-	1500	V
Insulation Resistance	100V	IR	10^{10}	-	-	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	15	-	-	15	-	-	15	-	V
Life Ratings(1)												
Surge Life	500A (10/1000µs)	-	1000	-	-	1000	-	-	1000	-	-	shots
Max Current Surge	10kA (8/20µs)	-	10	-	-	10	-	-	10	-	-	shots
AC Current	10x 1sec @ 60Hz	-	-	-	20	-	-	20	-	-	20	A
AC Follow-on Current	1/2 cycle @ 60Hz	-	-	-	20	-	-	20	-	-	20	A pk
DC Holdover Voltage	per REA PE-80, 0.2A	-	-	150	-	-	150	-	-	150	-	V

(1)End-of-Life limits are: DC: 50% of minimum initial DC breakdown voltage limit to 150% of maximum initial DC breakdown voltage limit
Impulse: less than 150% of initial Impulse breakdown voltage limit.

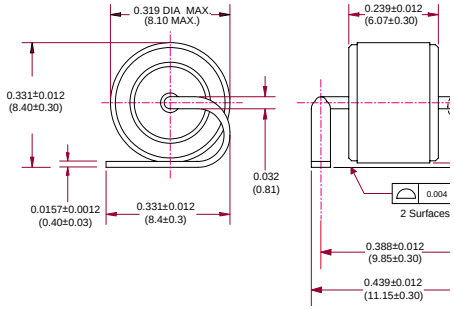
MECHANICAL DIMENSIONS

DIMENSIONS
mm
(inches)

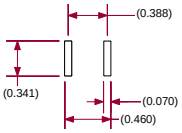
Other lead forms are available upon request.
Contact REMtech for more information.



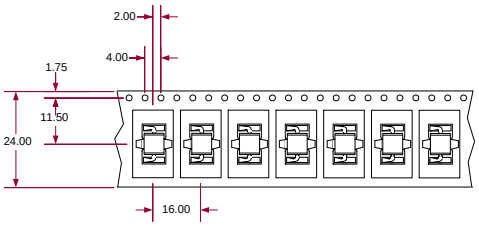
LS Outline



LS Recommended Land Pattern



LS Tape & Reel Packaging



Tape & Reel packaging is available on request. See ordering information below for part number structure.

ORDERING INFORMATION

CG/CG2's with other breakdown voltages in the 75-1000 V range are available upon request. A complete part number is represented by the digits below. For example, CG75 is a non-leaded 75V device, CG2-230L is a leaded 230V device, and CG2-800LTR is a leaded 800V device on tape-and-reel per EIA standard RS-296-D.

CG XXX X XX for 75, 90, 110V
CG2 XXX X XX for 145V & up

- Series: *CG*, *CG2*
- Breakdown Voltage: *75 = 75V*, *90 = 90V*, *110 = 110V*, *145 = 145V*, *230 = 230V*, *250 = 250V*, *300 = 300V*, *350 = 350V*, *470 = 470V*, *600 = 600V*, *800 = 800V*, *1000 = 1000V*
- Options: *L = Leads*, *(Blank) = No Leads*
- Shipping Package: *TR = Tape & Reel*, *(Blank) = Bulk*

Tape & Reel Information

CGXXXLTR - Tape & Reel per EIA RS-296-D. Quantity = 1,000/Reel

CGXXXLTE - Tape & Reel per IEC286-1.
Quantity = 1,000/Reel

CGXXXLSTR - See figure above for tape & reel information.
Quantity = 1,400/Reel

2 ELECTRODE NON-RADIOACTIVE SURGE ARRESTERS

CG/CG2 SN Series

DESCRIPTION

SRC Devices 2 electrode non-radioactive CG/CG2 SN Comgaps are designed for use in surge protection applications for which the radioactive isotope used in the standard CG/CG2 Series (75-470V) is not desired. The gas-filled, rugged ceramic-metal construction of Comgaps makes them well suited to adverse environments. Comgaps function as switches which dissipate a minimum amount of energy and therefore handle currents that far surpass other types of transient voltage protection.

FEATURES

- Small size
- Rugged ceramic-metal construction
- Non-radioactive
- Low capacitance (<1pF)
- Available with or without leads
- Available in tape-and-reel packaging

APPLICATIONS

- Communication lines
- CATV equipment
- Test equipment
- Power supplies
- Medical electronics
- Instrumentation circuits

APPROVALS

- Meets REA PE-80
- Designed to meet CCITT-K12

RATINGS (@ 25° C)

Parameter	Min	Typ	Max	Units
DC Breakdown Voltage	72	90	108	V
184		230	276	V
200		250	300	V
240		300	360	V
280		350	420	V
376		470	564	V
Insulation Resistance	10^9	-	-	Ω
Capacitance	-	-	1	pF
Operational Temp	-40	-	+125	°C

(See detailed specifications for more information.)

SPECIFICATIONS

All characteristics at 25°C

PARAMETER	CONDITIONS	SYMBOL	CG90SN CG90LSN MIN	CG90SN CG90LSN TYP	CG90SN CG90LSN MAX	CG2-230SN CG2-230LSN MIN	CG2-230SN CG2-230LSN TYP	CG2-230SN CG2-230LSN MAX	CG2-250SN CG2-250LSN MIN	CG2-250SN CG2-250LSN TYP	CG2-250SN CG2-250LSN MAX	UNITS
Device Specifications												
DC Breakdown	500V/s	V_{BD}	72	90	113	184	230	276	200	250	300	V
Impulse Breakdown	100V/µs	V_{BD}	-	-	500	-	-	600	-	-	600	V
Insulation Resistance	100V	IR	10^9	-	-	10^9	-	-	10^9	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	-	-	1	pF
Arc Voltage	1=5A min	V_{ARC}	-	10	-	-	10	-	-	10	-	V
Life Ratings[1]												
Surge Life	500A (10/1000µs)	-	400	-	-	400	-	-	400	-	-	shots
Max Current Surge	10kA (8/20µs)	-	10	-	-	10	-	-	10	-	-	shots
AC Current	10x 1sec @ 60Hz	-	-	-	20	-	-	20	-	-	20	A
AC Follow-on Current	$^1/_2$ cycle @ 60Hz	-	-	-	N/A	-	-	20	-	-	20	A pk
DC Holdover Voltage	per REA PE-80, 0.2A	-	-	65	-	-	150	-	-	150	-	V

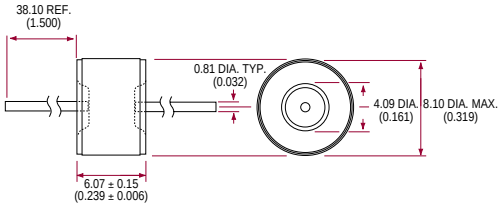
PARAMETER	CONDITIONS	SYMBOL	CG2-300SN CG2-300LSN MIN	CG2-300SN CG2-300LSN TYP	CG2-300SN CG2-300LSN MAX	CG2-350SN CG2-350LSN MIN	CG2-350SN CG2-350LSN TYP	CG2-350SN CG2-350LSN MAX	CG2-470SN CG2-470LSN MIN	CG2-470SN CG2-470LSN TYP	CG2-470SN CG2-470LSN MAX	UNITS
Device Specifications												
DC Breakdown	500V/s	V_{BD}	240	300	360	280	350	420	376	470	564	V
Impulse Breakdown	100V/µs	V_{BD}	-	-	700	-	-	750	-	-	850	V
Insulation Resistance	100V	IR	10^9	-	-	10^9	-	-	10^9	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	-	-	1	pF
Arc Voltage	1=5A min	V_{ARC}	-	10	-	-	10	-	-	10	-	V
Life Ratings[1]												
Surge Life	500A (10/1000µs)	-	400	-	-	400	-	-	400	-	-	shots
Max Current Surge	10kA (8/20µs)	-	10	-	-	10	-	-	10	-	-	shots
AC Current	10x 1sec @ 60Hz	-	-	-	20	-	-	20	-	-	20	A
AC Follow-on Current	$^1/_2$ cycle @ 60Hz	-	-	-	20	-	-	20	-	-	20	A pk
DC Holdover Voltage	per REA PE-80, 0.2A	-	-	150	-	-	150	-	-	150	-	V

(1) End-of-life limits are:
DC: 50% of minimum initial DC breakdown voltage limit to 150% of maximum initial DC breakdown voltage limit.
Impulse: less than 150% of initial Impulse breakdown voltage limit.

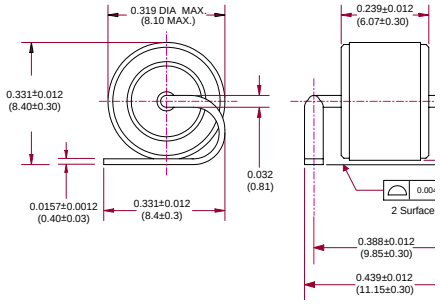
MECHANICAL DIMENSIONS

Other lead forms are available upon request.
Contact REMtech for more information.

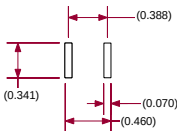
DIMENSIONS
mm
(inches)



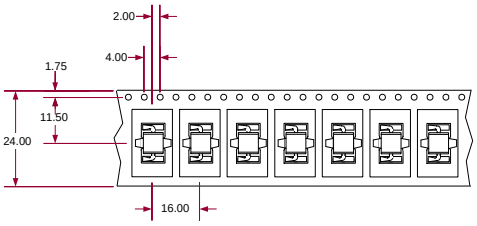
LS Outline



LS Recommended Land Pattern



LS Tape & Reel Packaging



Tape & Reel packaging is available on request. See ordering information below for part number structure.

ORDERING INFORMATION

CG/CG2 SN's with other breakdown voltages in the 90-470 V range are available upon request. A complete part number is represented by the digits below. For example, CG2-230SN is a non-leaded 230V device, CG2-470LSN is a leaded 470V device, and CG90LSNTR is a leaded 90V device on tape-and-reel per EIA standard RS-296-D.

CG XX X SN XX for 90V
CG2- XXX X SN XX for 230V & up

- Series: *CG*, *CG2*
- Breakdown Voltage: *90 = 90V*, *230 = 230V*, *250 = 250V*, *300 = 300V*, *350 = 350V*, *470 = 470V*
- Shipping Package: *TR = Tape & Reel*, *(Blank) = Bulk*
- SN *(Non-Radioactive)*
- Options: *L = Leads*, *(Blank) = No Leads*

Tape & Reel Information

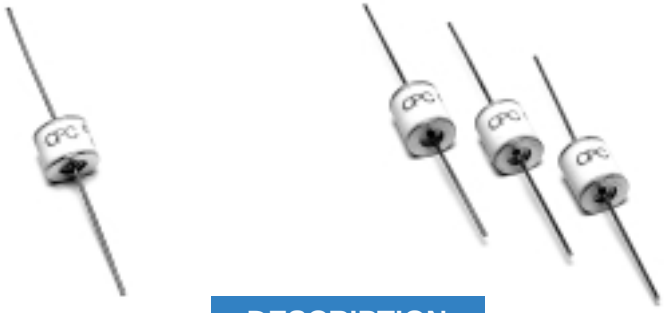
CGXXXLSNTR - Tape & Reel per EIA RS-296-D. Quantity = 1,000/Reel

CGXXXLSNTE - Tape & Reel per IEC286-1. Quantity = 1,000/Reel

CGXXXLSSNTR - See figure above for tape & reel information. Quantity = 1,400/Reel

TWO ELECTRODE HIGH VOLTAGE SURGE ARRESTERS

CG3 Series



DESCRIPTION

SRC Devices 2 electrode high voltage CG3 Comgaps (1.0 - 8.5 kV) are designed for surge protection in applications for which bias voltages or signal levels of several hundred volts are normally present. Comgaps function as switches which dissipate a minimum amount of energy and therefore handle currents that far surpass other types of transient voltage protection.

FEATURES

- Rugged ceramic-metal construction
- Non-radioactive
- Low capacitance (<1pF)
- Available in tape-and-reel packaging
- Available with or without leads

APPLICATIONS

- CRT terminal
- CATV equipment
- Antennas
- Power supplies
- Medical electronics

APPROVALS

- UL Recognized: File Number E111526
- CSA Approved: File Number LR89617

RATINGS (@ 25° C)

Parameter	Min	Typ	Max	Unit
DC Breakdown Voltage	800	1000	1200	V
	1200	1500	1800	V
	1600	2000	2400	V
	2000	2500	3000	V
	2400	3000	3600	V
	3200	4000	4800	V
	4000	5000	6000	V
	6000	7500	9000	V
	6800	8500	10200	V
Insulation Resistance	10^{10}	-	-	Ω
Capacitance	-	-	1	pF
Operational Temperature	-40	-	+125	°C

(See detailed specifications for more information.)

SPECIFICATIONS

All characteristics at 25°C

PARAMETER	CONDITIONS	SYMBOL	CG3-1.0 / CG3-1.0L MIN	CG3-1.0 / CG3-1.0L TYP	CG3-1.0 / CG3-1.0L MAX	CG3-1.5 / CG3-1.5L MIN	CG3-1.5 / CG3-1.5L TYP	CG3-1.5 / CG3-1.5L MAX	UNITS
Device Specifications									
DC Breakdown	500V/s	V_{BD}	800	1000	1200	1200	1500	1800	V
Impulse Breakdown	100V/µs	V_{BD}	-	-	1500	-	-	2200	V
Insulation Resistance	100V	IR	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	10	-	-	10	-	V
Mechanical Outline		-	-	A	-	-	A	-	-
Life Ratings(1)									
Surge Life	.002mF, 100Ω	-	500	-	-	500	-	-	shots
Max Current Surge	10kA (8/20µs)	-	5	-	-	5	-	-	shots
AC Follow-on Current	1/2 cycle @ 60Hz	-	-	-	300	-	-	300	A pk

PARAMETER	CONDITIONS	SYMBOL	CG3-2.0 / CG3-2.0L MIN	CG3-2.0 / CG3-2.0L TYP	CG3-2.0 / CG3-2.0L MAX	CG3-2.5 / CG3-2.5L MIN	CG3-2.5 / CG3-2.5L TYP	CG3-2.5 / CG3-2.5L MAX	UNITS
Device Specifications									
DC Breakdown	500V/s	V_{BD}	1600	2000	2400	2000	2500	3000	V
Impulse Breakdown	100V/µs	V_{BD}	-	-	3000	-	-	3750	V
Insulation Resistance	100V	IR	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	10	-	-	10	-	V
Mechanical Outline		-	-	A	-	-	A	-	-
Life Ratings(1)									
Surge Life	.002mF, 100Ω	-	500	-	-	500	-	-	shots
Max Current Surge	10kA (8/20µs)	-	5	-	-	5	-	-	shots
AC Follow-on Current	1/2 cycle @ 60Hz	-	-	-	300	-	-	300	A pk

PARAMETER	CONDITIONS	SYMBOL	CG3-3.0 / CG3-3.0L MIN	CG3-3.0 / CG3-3.0L TYP	CG3-3.0 / CG3-3.0L MAX	CG3-4.0 / CG3-4.0L MIN	CG3-4.0 / CG3-4.0L TYP	CG3-4.0 / CG3-4.0L MAX	UNITS
Device Specifications									
DC Breakdown	500V/s	V_{BD}	2400	3000	3600	3200	4000	4800	V
Impulse Breakdown	100V/µs	V_{BD}	-	-	4500	-	-	6000	V
Insulation Resistance	100V	IR	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	10	-	-	10	-	V
Mechanical Outline		-	-	B	-	-	B	-	-
Life Ratings(1)									
Surge Life	.002mF,100W	-	500	-	-	500	-	-	shots
Max Current Surge	10kA (8/20µs)	-	5	-	-	5	-	-	shots
AC Follow-on Current	1/2 cycle @ 60Hz	-	-	-	300	-	-	300	A pk

(1)End-of-life limits are:
DC: 50% of minimum initial DC breakdown voltage limit to 150% of maximum initial DC breakdown voltage limit.
Impulse: less than 150% of initial impulse breakdown voltage limit.

SPECIFICATIONS

All characteristics at 25°C

PARAMETER	CONDITIONS	SYMBOL	CG3-5.0 / CG3-5.0L MIN	CG3-5.0 / CG3-5.0L TYP	CG3-5.0 / CG3-5.0L MAX	CG3-7.5 / CG3-7.5L MIN	CG3-7.5 / CG3-7.5L TYP	CG3-7.5 / CG3-7.5L MAX	CG3-8.5 / CG3-8.5L MIN	CG3-8.5 / CG3-8.5L TYP	CG3-8.5 / CG3-8.5L MAX	UNITS
Device Specifications												
DC Breakdown	500V/s	V_{BD}	4000	5000	6000	6000	7500	9000	6800	8500	10200	V
Impulse Breakdown	100V/µs	V_{BD}	-	-	7500	-	-	10000	-	-	13500	V
Insulation Resistance	100V	IR	10^{10}	-	-	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	10	-	-	10	-	-	10	-	V
Mechanical Outline		-	-	B	-	-	B	-	-	B	-	-
Life Ratings(1)												
Surge Life	.002mF,100Ω	-	500	-	-	500	-	-	500	-	-	shots
Max Current Surge	10kA (8/20µs)	-	5	-	-	5	-	-	5	-	-	shots
AC Follow-on Current	1/2 cycle @ 60Hz	-	-	-	300	-	-	300	-	-	300	A pk

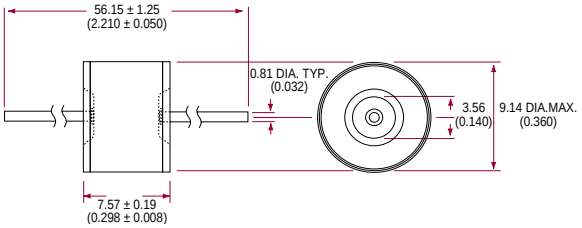
(1)End-of-life limits are:
DC: 50% of minimum initial DC breakdown voltage limit to 150% of maximum initial DC breakdown voltage limit.
Impulse: less than 150% of initial impulse breakdown voltage limit.

MECHANICAL DIMENSIONS

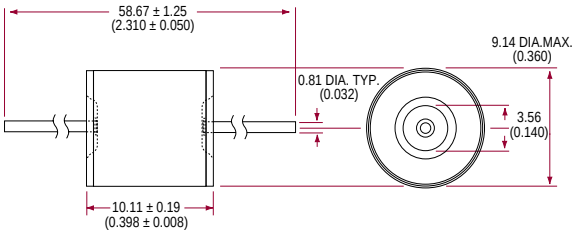
Other lead forms are available upon request.
Contact SRC Devices for more information.

Outline A

DIMENSIONS
mm
(inches)



Outline B



ORDERING INFORMATION

CG3's with other breakdown voltages in the 1.0-8.5kV range are available upon request. A complete part number is represented by the digits below. For example, CG3-1.5 is a non-leaded 1500V device, CG3-5.0L is a leaded 5000V device, and CG3-7.5LTR is a leaded 7500V device on tape-and-reel per EIA standard RS-296-D.

CG3 X.X X XX

- Series: *CG3*
- Breakdown Voltage:
  - *1.0 = 1000V*
  - *1.5 = 1500V*
  - *2.0 = 2000V*
  - *2.5 = 2500V*
  - *3.0 = 3000V*
  - *4.0 = 4000V*
  - *5.0 = 5000V*
  - *7.5 = 7500V*
  - *8.5 = 8500V*
- Options:
  - *L = Leads*
  - *(Blank) = No Leads*
- Shipping Package:
  - *TR = Tape & Reel*
  - *(Blank) = Bulk*

Tape & Reel Information

CG3XXLTR - Tape & Reel per EIA RS-296-D. Quantity = 1,000/Reel

CG3XXLTE - Tape & Reel per IEC286-1. Quantity = 1,000/Reel

TWO ELECTRODE MINI SURGE ARRESTERS

CG5 Series

DESCRIPTION

SRC Devices two electrode mini CG5 Comgaps are gas filled, non-radioactive surge protectors. These devices are physically smaller than the standard CG/CG2 series reducing the space required to provide high performance circuit protection. The CG5 series can be supplied with or without leads. These components are used in a variety of different applications, including telecom and CATV communication lines. The small CG5 gas tubes function as switches which dissipate a minimum amount of energy and therefore handle currents that far surpass other types of transient voltage protection.

FEATURES

- Non-radioactive
- Rugged ceramic-metal construction
- Low capacitance (<1pF)
- Available with or without leads
- Available in tape-and-reel packaging

APPLICATIONS

- CATV equipment
- Test equipment
- Data and Telecom lines
- Instrumentation circuits

RATINGS (@ 25° C)

Parameter	Min	Typ	Max	Units
DC Breakdown Voltage	72	90	113	V
	184	230	276	V
	280	350	420	V
Insulation Resistance	10^{10}	-	-	Ω
Capacitance	-	-	1	pF
Operational Temperature	-40	-	+125	°C

(See detailed specifications for more information.)

SPECIFICATIONS

All characteristics at 25°C

PARAMETERS	CONDITIONS	SYMBOL	CG5-90 CG5-90L MIN	CG5-90 CG5-90L TYP	CG5-90 CG5-90L MAX	CG5-230 CG5-230L MIN	CG5-230 CG5-230L TYP	CG5-230 CG5-230L MAX	CG5-350 CG5-350L MIN	CG5-350 CG5-350L TYP	CG5-350 CG5-350L MAX	UNITS
Device Specifications												
DC Breakdown	500V/s	V_{BD}	72	90	113	184	230	276	280	350	420	V
Impulse Breakdown	100V/µs	V_{BD}	-	-	500	-	-	500	-	-	600	V
	1kV/µs	V_{BD}	-	-	700	-	-	700	-	-	800	V
Insulation Resistance	50V	IR	10^{10}	-	-	10^{10}	-	-	10^{10}	-	-	Ω
Capacitance	1MHz	C	-	-	1	-	-	1	-	-	1	pF
Arc Voltage	I=5A min	V_{ARC}	-	25	-	-	25	-	-	25	-	V
Life Ratings(1)												
Surge Life	100A (10/1000µs)	-	300	-	-	300	-	-	300	-	-	shots
Max Current Surge	5kA (8/20µs)	-	10	-	-	10	-	-	10	-	-	shots
AC Current	10x 1sec @ 60Hz	-	-	-	5	-	-	5	-	-	5	A

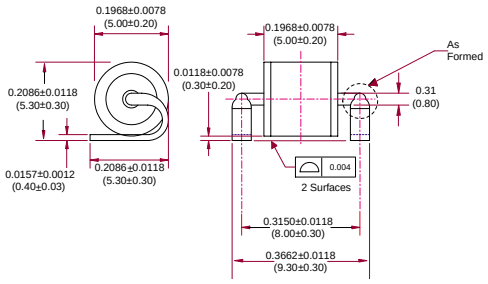
(1) End-of-Life limits are:
DC: 50% of minimum initial DC Breakdown Voltage limit to 150% of maximum initial DC Breakdown Voltage limit.
Impulse: less than 150% of initial impulse Breakdown Voltage limit.

MECHANICAL DIMENSIONS

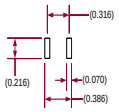
Other lead forms are available upon request.
Contact REMtech for more information.

DIMENSIONS
mm
(inches)

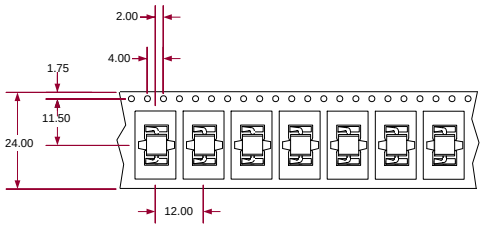
LS Outline



LS Recommended Land Pattern



LS Tape & Reel Packaging



Tape & Reel packaging is available on request. See ordering information below for part number structure.

ORDERING INFORMATION

A complete part number is represented by the digits below. For example, CG5-90 is a non-leaded 90V device, CG5-230L is a leaded 230V device, and CG5-350LTR is a leaded 350V device on tape-and-reel per EIA standard RS-296-D.

Tape & Reel Information

CG5XXXLTR - Tape & Reel per EIA RS-296-D. Quantity = 1,000/Reel

CG5XXXLTE - Tape & Reel per IEC286-1. Quantity = 1,000/Reel

CG5XXXLSTR - See figure above for tape & reel information. Quantity = 2,900/Reel

CG5- XXX X XX

Series
CG5

Breakdown Voltage
90 = 90V
230 = 230V
350 = 350V

Shipping Package
TR = Tape & Reel
(Blank) = Bulk

Options
L = Leads
(Blank) = No leads