



2-electrode Spark Gap

GXP Series

2-electrode Spark Gap - GXP Series

The GXP Series of 2-electrode spark gaps are gas discharge tubes, hermetically sealed in a glass/metal envelope. Tubes with a DC breakdown voltage in the range 250 V to 10 kV are available. This is signified by a numeral or numerals following the type letters and is expressed in hundreds of volts, e.g. GXP60 has a 6kV DC breakdown voltage.



Typical Applications

1. Single-shot pulse generators
2. Turbine engine ignition circuits
3. Medical lithotripsy
4. High energy switches

Electrical And Physical Characteristics

All ratings given in this data sheet are real solute, nonsimultaneous ratings. It is the equipment designer's responsibility to ensure that they are not exceeded. The spark gap life depends on circuit conditions such as peak discharge current and duration, charge transfer per discharge and the repetition rate.

Charge transfer, single discharge (8/20 ms waveshape)	0.5C max
Cumulative charge transfer	6000C at 0.81mC per discharge at 1 Hz
Operating temperature	-55 to +125°C
Mechanical shock, half-sine (to B.S. 2011 test Ea)	40g for 4ms
Mounting	screw mounted
Radioactivity	tritium (3H), 5.44 MBq (147 mCi) max per device

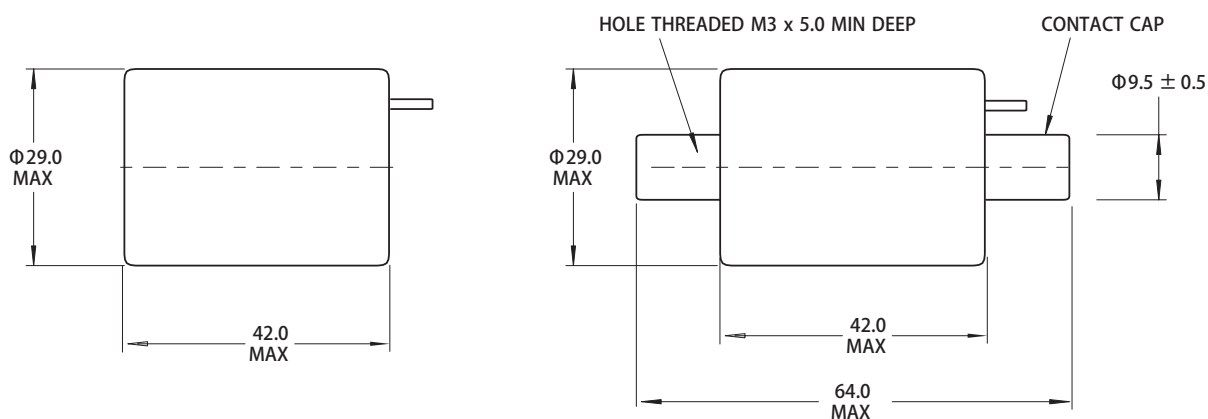
2-electrode Spark Gap - GXP Series

Electrical Characteristics

Part No.	DC Spark-over Voltage	Max.Impulse Discharge Current (8/20μs)	MAX Energy Level	Minimum Insulation Resistance	Maximum Capacitance	Maximum power
	(V)	(KA)	(J)	(MΩ)	pF	W
GXP05	500	30	60	100	5	60
GXP10	1000	30	60	100	5	60
GXP12	1200	30	60	100	5	60
GXP14	1400	30	60	100	5	60
GXP15	1500	30	60	100	5	60
GXP16	1600	30	60	100	5	60
GXP18	1800	30	60	100	5	60
GXP20	2000	30	60	100	5	60
GXP21	2100	30	60	100	5	60
GXP22	2200	30	60	100	5	60
GXP23	2300	30	60	100	5	60
GXP24	2400	30	60	100	5	60
GXP25	2500	30	60	100	5	60
GXP26	2600	30	60	100	5	60
GXP27	2700	30	60	100	5	60
GXP28	2800	30	60	100	5	60
GXP29	2900	30	60	100	5	60
GXP30	3000	30	60	100	5	60
GXP31	3100	30	60	100	5	60
GXP32	3200	30	60	100	5	60
GXP33	3300	30	60	100	5	60
GXP34	3400	30	60	100	5	60
GXP35	3500	30	60	100	5	60
GXP40	4000	30	60	100	5	60
GXP45	4500	30	60	100	5	60
GXP50	5000	30	60	100	5	60
GXP55	5500	30	60	100	5	60
GXP60	6000	30	60	100	5	60
GXP65	6500	30	60	100	5	60
GXP70	7000	30	60	100	5	60
GXP75	7500	30	60	100	5	60
GXP80	8000	30	60	100	5	60
GXP85	8500	30	60	100	5	60
GXP90	9000	30	60	100	5	60
GXP95	9500	30	60	100	5	60
GXP100	10000	30	60	100	5	60
GXP105	10500	30	60	100	5	60
GXP110	11000	30	60	100	5	60
GXP115	11500	30	60	100	5	60
GXP120	12000	30	60	100	5	60

2-electrode Spark Gap - GXP Series

OUTLINE (All dimensions in millimetres)



Warehouse Storage Conditions of Products

- Storage Conditions:
 1. Storage Temperature: $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
 2. Relative Humidity: $\leq 75\% \text{RH}$
 3. Keep away from corrosive atmosphere and sunlight.
- Period of Storage: 1 year

RuiLongYuan Electronics Co., Ltd.

- Reproducing and modifying information of the document is prohibited without permission from Ruilongyuan International Inc.
- Ruilongyuan International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Ruilongyuan International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Ruilongyuan International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Ruilongyuan International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Ruilongyuan International Inc. for any damages resulting from such improper use or sale.

Tel: +86-755-8290 8296

Fax: +86-755-8290 8002

E-mail: jack@ruilon.com