

**Description**

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 0.50KV to 12 KV are available. This is signified by a numeral or numerals following the type letters and is expressed in hundreds of volts.



**Applications**

- I Single-shot pulse generators
- I Turbine engine ignition circuits
- I Medical lithotripsy
- I High energy switches

**Electrical And Physical Characteristics**

All ratings given in this data sheet are absolute, 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

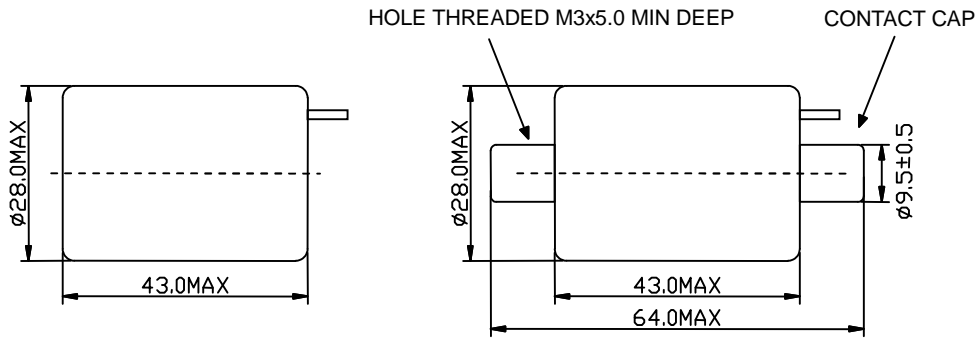


**Electrical Characteristics**

Type Number	DC Spark-Over Voltage	Max. Impulse Discharge Current(8/20µs)	Max. Energy Level	Min. Insulation Resistance	Max. Capacitance	Max. 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

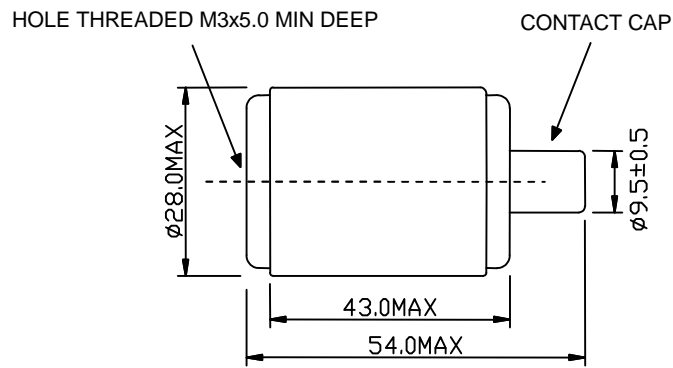


Dimensions(mm)



A Series

B Series



C Series

