

Description

The GXH 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 Medical lithotripsy
- I Turbine engine ignition circuits
- 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(8/20 μ s)	Max. Energy Level	Min. Insulation Resistance	Max. Capacitance	Max. power
	V	KA	J	M Ω	pF	W
GXH05	500	30	60	100	5	60
GXH10	1000	30	60	100	5	60
GXH12	1200	30	60	100	5	60
GXH14	1400	30	60	100	5	60
GXH15	1500	30	60	100	5	60
GXH16	1600	30	60	100	5	60
GXH18	1800	30	60	100	5	60
GXH20	2000	30	60	100	5	60
GXH21	2100	30	60	100	5	60
GXH22	2200	30	60	100	5	60
GXH23	2300	30	60	100	5	60
GXH24	2400	30	60	100	5	60
GXH25	2500	30	60	100	5	60
GXH26	2600	30	60	100	5	60
GXH27	2700	30	60	100	5	60
GXH28	2800	30	60	100	5	60
GXH29	2900	30	60	100	5	60
GXH30	3000	30	60	100	5	60
GXH31	3100	30	60	100	5	60
GXH32	3200	30	60	100	5	60
GXH33	3300	30	60	100	5	60
GXH34	3400	30	60	100	5	60
GXH35	3500	30	60	100	5	60
GXH40	4000	30	60	100	5	60
GXH45	4500	30	60	100	5	60
GXH50	5000	30	60	100	5	60
GXH55	5500	30	60	100	5	60
GXH60	6000	30	60	100	5	60
GXH65	6500	30	60	100	5	60
GXH70	7000	30	60	100	5	60
GXH75	7500	30	60	100	5	60
GXH80	8000	30	60	100	5	60
GXH85	8500	30	60	100	5	60
GXH90	9000	30	60	100	5	60
GXH95	9500	30	60	100	5	60
GXH100	10000	30	60	100	5	60
GXH105	10500	30	60	100	5	60
GXH110	11000	30	60	100	5	60
GXH115	11500	30	60	100	5	60
GXH120	12000	30	60	100	5	60



Dimensions(mm)

