

The data should be read in conjunction with the 2-electrode Spark Gap Preamble.

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 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. GXH60 has a 6 kV DC breakdown voltage.

TYPICAL APPLICATIONS

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

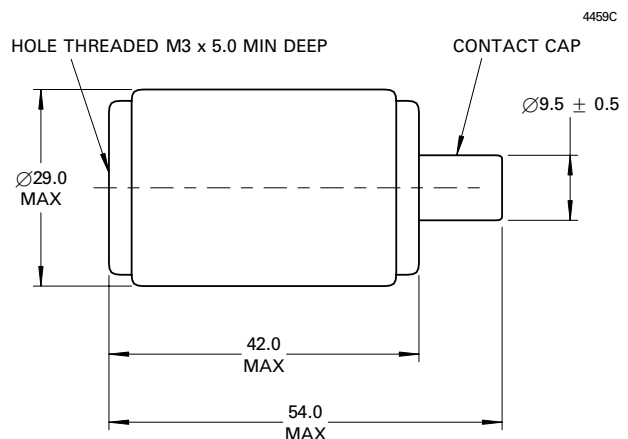
ELECTRICAL AND PHYSICAL CHARACTERISTICS

All ratings given in this data sheet are absolute, non-simultaneous 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.

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| DC breakdown voltage range | 250 V to 10 kV |
| Breakdown voltage tolerance | 0 to +10% |
| Peak current, single discharge (8/20 μ s waveshape) | 30 kA max |
| Charge transfer, single discharge (8/20 μ s waveshape) | 0.5 C max |
| Cumulative charge transfer | 6000 C at 0.81 mC per discharge at 3 Hz |
| Capacitance | 5 pF max |
| Operating temperature | -40 to +125 °C |
| Mechanical shock, half-sine (to B.S. 2011 test Ea) | 40 g for 4 ms |
| Mounting | screw mounted |
| Net weight | 37 g approx |
| Radioactivity | tritium (3 H), 5.44 MBq (147 μ Ci) max per device |



OUTLINE (All dimensions in millimetres)



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