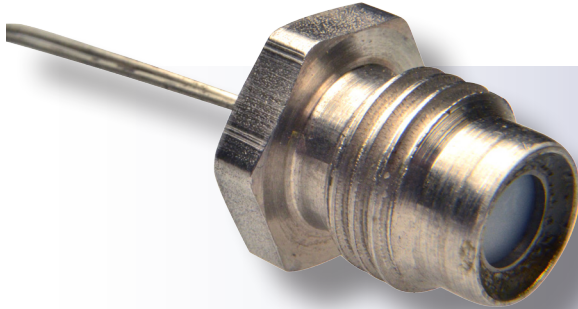


EP-701 Pressure Cartridge

Pressure cartridges, sometimes known as gas generators, use pyrotechnic mixtures to produce gas that is applied to do mechanical work.



The EP-701 is an electrically initiated gas generator which is highly reliable and has a minimum shelf-life of 10 years.

Variations

The EP-701 gas generator was designed and made for a specific application. EaglePicher will modify this part to meet customer requirements. Variations are possible in firing characteristics, peak pressure, and pressure build-up rate.

Characteristics

Some of the characteristics listed here are nominal; others are levels to which the units have been tested. There are no limits on design capabilities. Please consult an EaglePicher representative before using this data as a specification.

Specifications

Electrical

Bridge Resistance @ 70°F (21°C) Measured with .010 amp max	1.5 to 7.0 ohms
All-fire Current @ -65°F (-54°C)	5000 ERGS (24µfd cap charged to 6.5 volts)
No-fire Current @ 70°F (21°C)	0.20 amp, 1 min

Specifications Continued

Mechanical

Size	See Drawing
Weight Approximation	5.1 gm
Time-to-Peak Pressure Max	5 ms max
Output Pressure in .061 in ³ (1.0 cm ³) Closed Bomb	4000 to 7000 psi

Environmental

Temperature	Operating range: -65°F to +160°F (-54°C to 71°C)
Temperature Shock	MIL-STD-331, Method 113.1
Shock	MIL-STD-810, Test Method 516, Procedure 1 30g's for 11 ms, 1/2 sine wave pulse
Vibration	MIL-STD-810, Table 514.2 IV, Procedure 11A

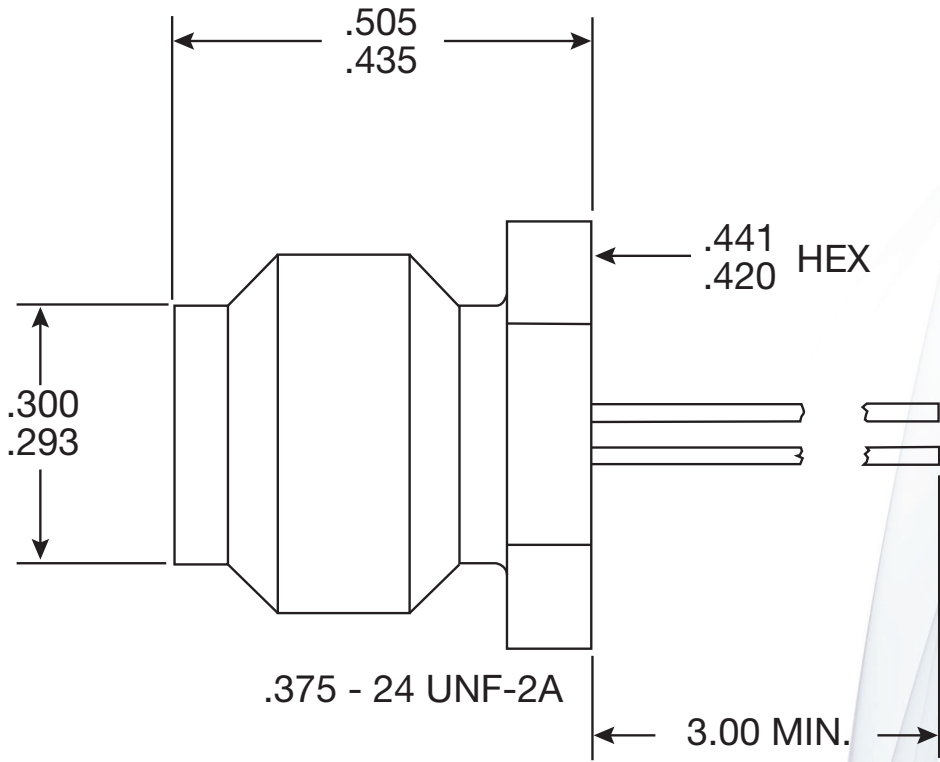
Chemical

Ignition Compound	Lead Styphnate
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Freight Classification

Shipping Name	Cartridges, Power Device
Identification Number	UN0276
Hazard Classification	1.4C

EP-701



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