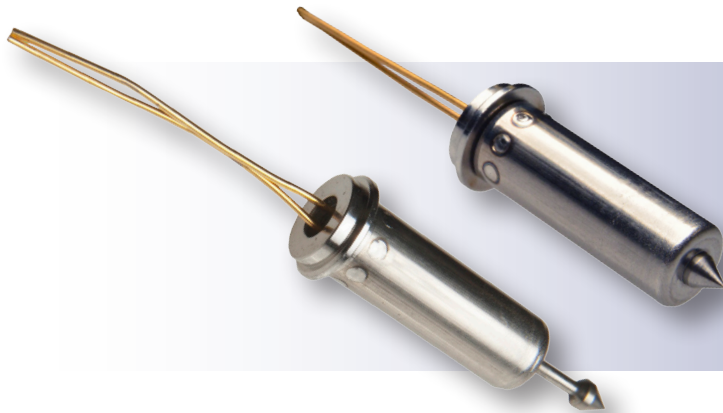


1MT171 Piston Actuator

The 1MT171 Piston Actuator is a highly reliable electroexplosive device used in ordnance defense systems.



It is used as an electrically activated system to penetrate bursts discs. The 1MT171 Piston Actuator is a completely self-contained, non-sealed electroexplosive device. The hardness of the pointed piston is 220 Bn. The leads are copper cored and gold plated.

Variations

Two models (1MT171-2 and 1MT171-4) are described here. Modifications in bridge resistance can be made to meet specific requirements.

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

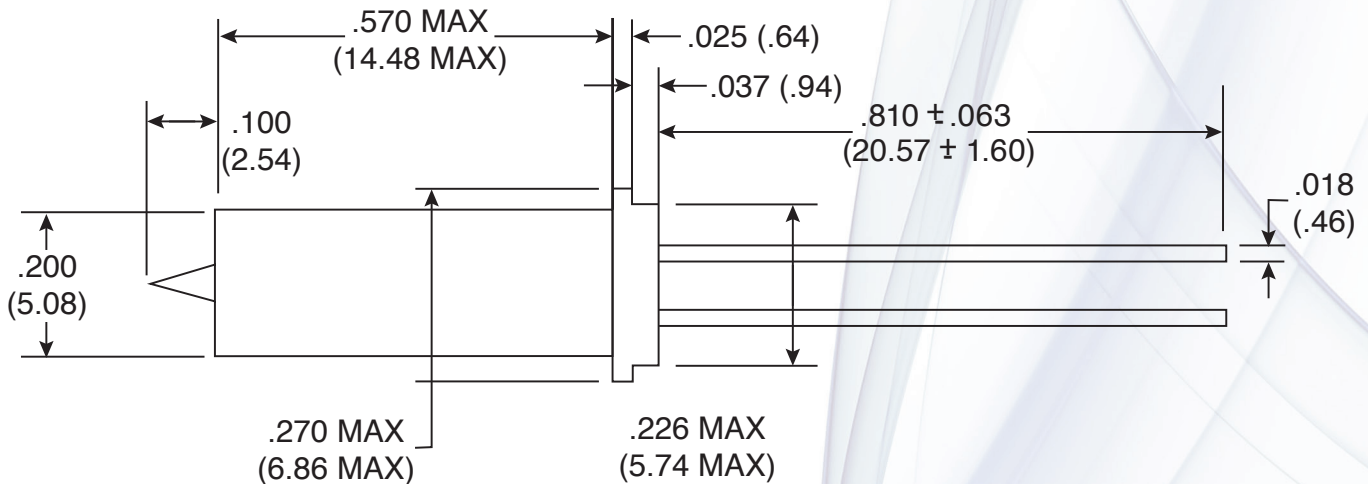
Electrical

Actuator	Bridge Resistance @70°F (21°C)	All-Fire Current @ -65°F (-54°C) 10 ms	No-Fire Current @ 160°F (71°C) 1 min	Insulation Resistance @ 500 Vdc
Part No.	Ohm	Amp, Min.	Amp, Min.	MEG, Min.
1MT171-2	0.16 ± 0.10	4.0	1.00	10
1MT171-4	2.25 ± 0.75	0.9 ± 0.1	0.10	10

1MT171

Specifications Continued	
Mechanical	
Size	See drawing
Weight	2.25 gm Max.
Lead	0.018" (.46 mm) diameter
Piston Extension	0.245" (6.22 mm) approx.
Environmental	
Temperature	Operating range: -65°F to +165°F (-54°C to +73°C)
	Storage range: -80°F to +165°F (-62°C to +73°C)

Specifications Continued	
Chemical	
Ignition Compound	KDNBF
Output Compound	KDNBF
Freight Classification	
Shipping Name	Piston Actuator
Hazard Classification	1.4S



DIMENSIONS IN () ARE IN MM



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