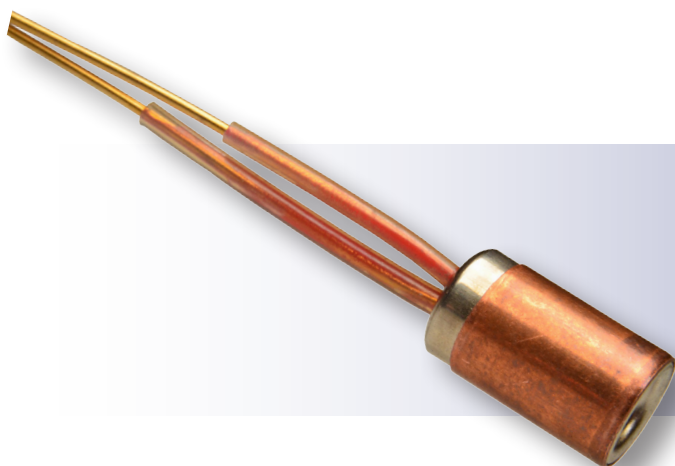


1MT117 Dimple Actuator



Dimple actuators are pyrotechnic-actuated devices that produce short linear motion.

Their compact size, light weight, simplicity of design, high reliability and environmental resistance make them ideal for aerospace applications. They hold their extended position under load.

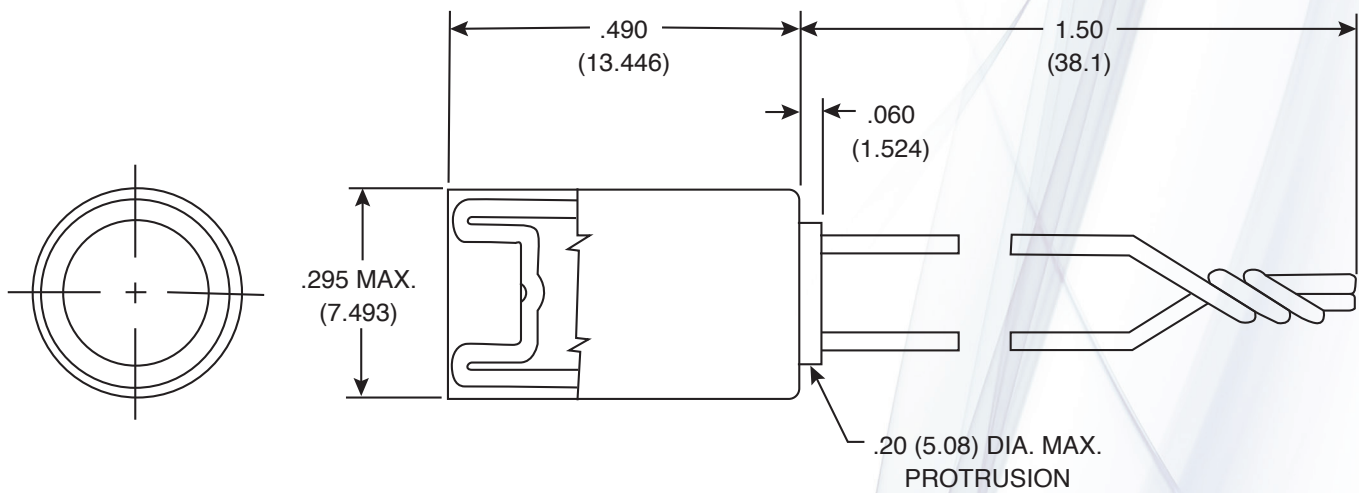
Characteristics

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)	5.0 - 7.3 ohm
All-Fire Current @ -45°F (-43°C)	0.3 amp, 10 ms
No-Fire Current @ 135°F (57°C)	0.03 amp, 5 min
Insulation Resistance, Shunted Leads to Case, Before Firing	10 megohm, 100 Vdc
Insulation Resistance, Shunted Leads to Case, After Firing	50 kilohm, 10 ma

Specifications Continued	
Mechanical	
Size	See drawing
Stroke	0.10" (2.5 mm)
Load	15 lb (35 N)
Function Time	10 ms
Weight	3 gm Max.
Environmental	
Temperature	Operating range: -45°F to +135°F (-43°C to +57°C)
Vibration	.04 G ² /Hz, 20-2000 Hz at 20 minutes/axis
Thermal Shock	-45°F (-43°C) to +135°F (+57°C)
Handling Shock	50 g's for 11 ms, 1/2 sine
Chemical	
Ignition Material	KDNBF
Freight Classification	
Shipping Name	Dimple Motor
Hazard Classification	1.4S

1MT117



DIMENSIONS ARE NOMINAL
DIMENSIONS IN () ARE IN MM



EaglePicher Technologies, LLC

PO Box 47, Joplin, Missouri 64802-0047, USA
tel 417.623.8000 | fax 417.623.0850

www.eaglepicher.com