



High Deflection Dome Mounts

A compact, mid range frequency , large deflection mount for protection from severe vibration and shock loads

Features

- High deflection capability for shock load.
- Axial to Radial Stiffness ratio 1:1.
- Compact, low profile design.
- Easy to install.
- High Damped Silicone.
- Aluminum construction.
- Can be used in tandem for higher deflection capability.

Load Range

- 3 load ratings available up to 15 Lbs.
- Can be custom tailored to specific applications.

Environmental Shock and Vibe

- Attenuates a 15g, 11 millisecond half-sine shock to 6 g's.
- Survives a 30g, 11 millisecond half-sine crash safety shock.

Applications

- Military computer applications
- Electronics for rotary wing and propeller driven aircraft.
- Avionics
- Ruggedized disk drives.



The 1829 mount is a mid frequency range isolator which combines a low profile dome shape and large deflection capability to provide excellent vibration and shock protection. The 1829 series is designed to work where high amplitude vibration are inherent in the application or where there are high shock load.

Part #	Maximum Load (lbs.)		Axial Natural Frequency (HZ)	Standard Material	Standard Elastomer	Transmissibility at Resonance
	Axial Compression	Radial				
1829-1A	5-7	5-7	14	6061-T6 Aluminum	Hi-Damp Silicone	4:1
1829-2A	7-10	7-10	15	6061-T6 Aluminum	Hi-Damp Silicone	4:1
1829-3A	10-15	10-15	14	6061-T6 Aluminum	Hi-Damp Silicone	4:1

Environmental data

Hi-Damp Silicone operating temperature range is -67°F to +300°F (-55°C to +150°C)

Resistance to fungus, most solvents and ozone

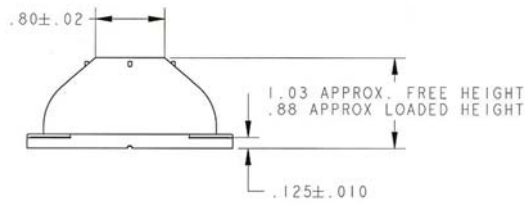
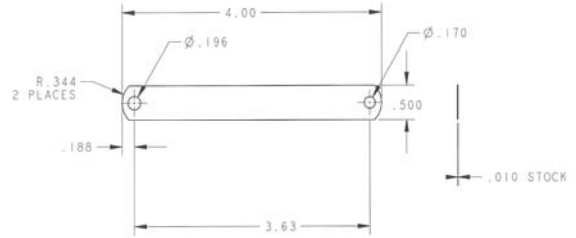
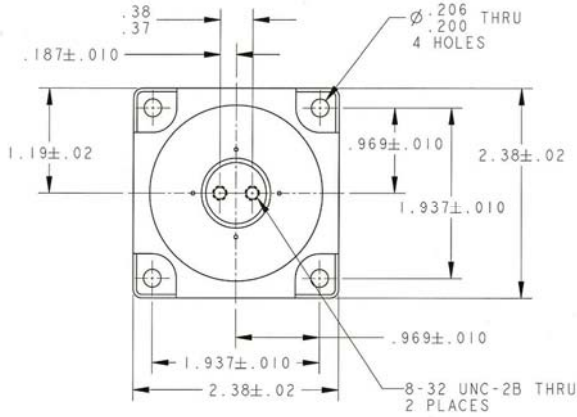
Other elastomeric formulations are available in BUNA-N, Butyl and Polybutidene, Neoprene

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1829 Mount

Dimensions & Load Deflection Curves



1829 is not inherently a fail safe design. It may require the use of a suitable restraining device similar to 1829-003 shown above. Material is Beryllium Copper

Axial Load Deflection Curve for P/N 1829

