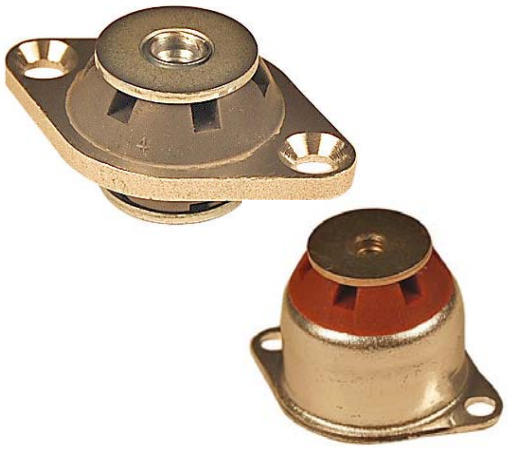
Polymer Technologies Inc.
Engineering Sound Solutions ™
Elastomeric Solutions Division

Technical Data Sheet
Materials Specifications For:

Mount Series: 1830



Applications

- Military computer applications
- Vehicular equipment
- Missile electronics
- Light weight electrical equipment in random vibration environments

Attributes

- High deflection capability for shock load
- Axial to radial stiffness ratio 1:1
- Compact, low profile design
- Easy to install
- Fail-safe
- Survives a 30G, 11 millisecond shock load

Load Range

- 1830-1 = load ratings to 3 lbs.
- 1830-2 = load ratings to 4.5 lbs.
- 1830-3 = load ratings to 7 lbs.
- 1830-4 = load ratings to 10 lbs.
- 1831-1 = load ratings to 3 lbs.
- 1831-2 = load ratings to 4.5 lbs.
- 1831-3 = load ratings to 7 lbs.
- 1831-4 = load ratings to 10 lbs.

Specifications

- Natural frequency—25-40 Hertz
- Transmissibility at resonance — 4.0 max
- Resilient element — Hi-damp silicone
- Standard materials — Aluminum w/zinc plated core
- Weight — 1831 = .023 lbs./1830 = .045 lbs.

Elastomeric Data

- Hi-Damp Silicone operating temperature range is –67F to +300°F (-55°C to +150°C), elastomer is fungus and ozone resistant
- Other elastomers are available upon request

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Part #	Maximum Axial	Load (lbs.) Radial	Axial Natural Frequency (hz)	Standard Material	Standard Elastomer	Core	Hex
1830-1A	3.0	3.0	23	Aluminum	Silicone	8-32 UNC-2B	5/16
1830-1B	3.0	3.0	23	Aluminum	Silicone	.196 Thru	5/16
1830-1C	3.0	3.0	23	Aluminum	Silicone	8-32 UNC-2B	3/8
1830-1D	3.0	3.0	23	Aluminum	Silicone	.196 Thru	3/8
1830-2A	4.5	4.5	24	Aluminum	Silicone	8-32 UNC-2B	5/16
1830-2B	4.5	4.5	24	Aluminum	Silicone	.196 Thru	5/16
1830-2C	4.5	4.5	24	Aluminum	Silicone	8-32 UNC-2B	3/8
1830-2D	4.5	4.5	24	Aluminum	Silicone	.196 Thru	3/8
1830-3A	7.0	7.0	25	Aluminum	Silicone	8-32 UNC-2B	5/16
1830-3B	7.0	7.0	25	Aluminum	Silicone	.196 Thru	5/16
1830-3C	7.0	7.0	25	Aluminum	Silicone	8-32 UNC-2B	3/8
1830-3D	7.0	7.0	25	Aluminum	Silicone	.196 Thru	3/8
1830-4A	10	10	24	Aluminum	Silicone	8-32 UNC-2B	5/16
1830-4B	10	10	24	Aluminum	Silicone	.196 Thru	5/16
1830-4C	10	10	24	Aluminum	Silicone	8-32 UNC-2B	3/8
1830-4D	10	10	24	Aluminum	Silicone	.196 Thru	3/8

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