HTTA MOUNT SERIES

Features

- Low natural frequency (10-13 Hertz)
- Axial to radial stiffness is 1:1.4
- Aluminum construction

Benefits

- Will not degrade in performance when subjected to a 15g, 11 millisecond halfsine shock input
- Will not fail under a 30g, 11 millisecond half sine shock input
- Lightweight
- Fungus and ozone resistant

Load Range

• 3 load ratings from 5 - 20 lbs. per mount



Low-frequency, highly damped mounts for high level shock and vibration isolation.



Barry HTTA-Series Mounts are low frequency isolators with a large deflection capacity to provide both vibration and shock protection. They are designed to meet the requirements of MIL-STD-810C for mounting electronic equipment in helicopter environments.

Applications

- Mounting equipment in helicopter environments (meets MIL-STD-810C requirements)
- Other applications where a large deflection capacity is required

NATURAL FREQUENCY	10-13 Hertz
TRANSMISSIBILITY AT RESONANCE	4.0 Max.
RESILIENT ELEMENT	Hi-Damp Silicone
STANDARD MATERIALS	Aluminum (Grounding Strap Beryllium Copper)
WEIGHT	4 oz.

Environmental Data

 Hi-Damp Silicone elastomer has an operating temperature range of -67°F to +300°F (-55°C to +150°C) and is fungus and ozone resistant.

HTTA Mount Series Dimensions & Performance Characteristics HTTA SERIES OPERATING RANGE DATA **HTTA SERIES Dimensional Drawing** Axial Load Part # Static Deflection **Resonant Natural** Range (lbs.) Range (lbs.) Frequency Range (Hz.) Ø .201 +.005 -.001 HTTA-1 5-8 .028"-.055" 13-10 [Ø5.I] .250-20 UNC-2B THRU HTTA-2 7-13 .021"-.061" 13-10 THRU 4 PLCS HTTA-3 13-20 .028"-.062" 13-10 Œ Æ 1.19 ± .02 [30.2] .968±.010 [24.6] 2 PLCS 2 PLCS 1.937 ± .010 [49.2] 2 PLCS 2.38±.02 ¥ ⊕ **OPTIONAL RESTRAINING STRAP** [60.4] 2 PLCS Dimensional Drawing - Part #885368-12804 φ — 1.125 [28,6] HEX - Ø.196 1.72 APPROX FREE [43.7] HEIGHT ¢ .44 ± .02 I.52 APPROX LOADED R.50 (BOTH ENDS) *Please note, mounts are not inherently fail-safe. They may require the use of a suitable restraining device. HTTA Load vs. Deflection HTTA Typical Transmissibility 80 10 -3 60 TRANSMISSIBILITY 1 LOAD (LBS) 40 0.1 20 0 0.01 0 0.2 0.4 0.6 0.8 5 10 100 **DEFLECTION (IN)** FREQUENCY (HZ) Dimensions and data are subject to change without notice. For technical, design, or application assistance. call toll free:

1-800-BARRY MA

Barry Controls

THE STEADY FORCE IN SHOCK & VIBRATION ISOLATION

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