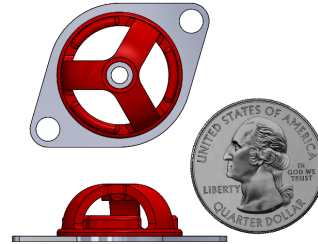




HIGH DEFLECTION MOUNTS UAV3001

PRODUCT SPECIFICATIONS

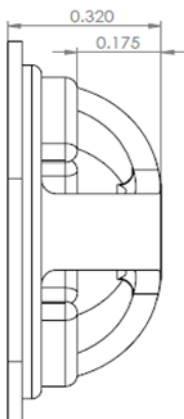
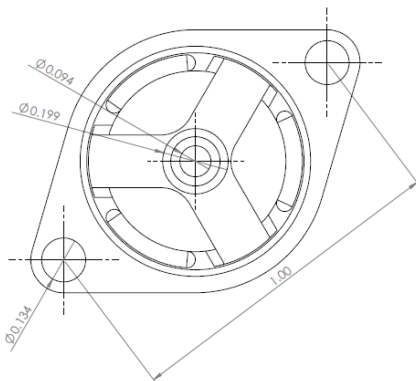
Operating Temperature: -65 to +300 F (Silicone)
 -20 to +180 F (Neoprene)
 Maximum Transmissibility at Resonance: 4.0 (Silicone)
 10.0 (Neoprene)
 Load Capacity: 1.3 – 5 Ounces
 Axial-Radial Stiffness Ratio: 1:1
 Part Weight: 0.03 oz.
 Materials: Core and Base Plate: AL, 6061-T6,
 Chromated per MIL-C-5541 Class 1A



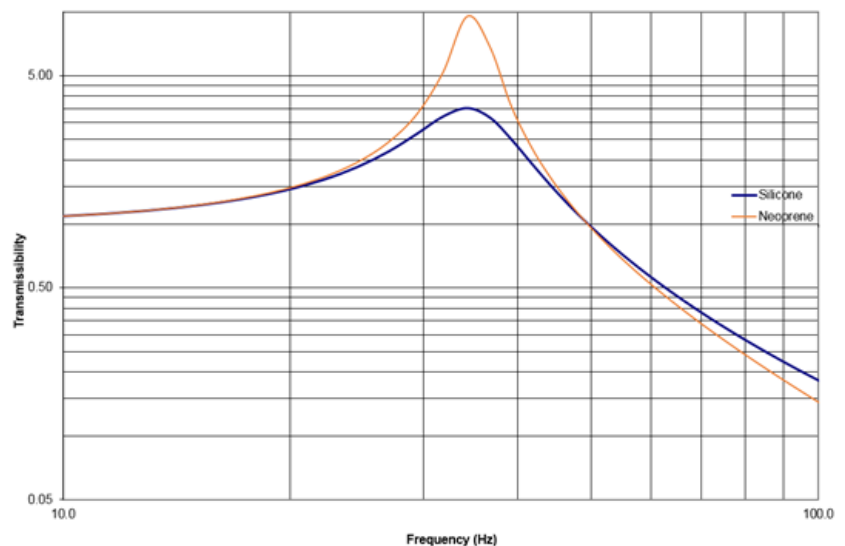
Performance Characteristics

Load Rating	Silicone Part Number	Neoprene Part Number	Dynamic Stiffness		
Ounces			lb/in	N/mm	Color Code
1.3	UAV3001-1	UAV2001-1	1.8	0.5	Red
1.6	UAV3001-2	UAV2001-2	2.4	0.6	Green
2.1	UAV3001-3	UAV2001-3	3.1	0.9	Blue
3	UAV3001-4	UAV2001-4	7.5	1.3	Light Grey
3.9	UAV3001-5	UAV2001-5	9.8	1.7	Tan
5	UAV3001-6	UAV2001-6	12.8	2.2	Black

*Fn at max rated load and .036 inch DA input
 To correct for loads lower than rated load use:
 $F_n = F_{nn} \cdot \sqrt{P_r / P_a}$
 Where:
 F_n: Natural Frequency at actual load (Hz)
 F_{nn}: Nominal Natural Frequency (Hz)
 P_r: Rated load
 P_a: Actual load



Transmissibility vs Frequency

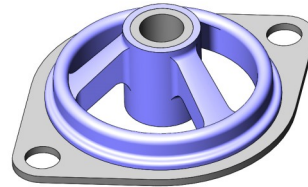




HIGH DEFLECTION MOUNTS UAV3002

PRODUCT SPECIFICATIONS

Operating Temperature: -67 to +300 F (Silicone)
 -20 to +180 F (Neoprene)
 Maximum Transmissibility at Resonance: 4.0 (Silicone)
 10.0 (Neoprene)
 Load Capacity: 0.5 – 2 lb
 Axial-Radial Stiffness Ratio: 1:1
 Part Weight: 0.2 oz.
 Materials: Core and Base Plate: 300 series CRES,
 passivated



Performance Characteristics

Load Rating (lb)	Part No. Neoprene	Part No. Silicone	Axial Natural Frequency	Dynamic Spring Rate	
			Hz	lb/in	N/mm
0.5	UAV2002-3	UAV3002-3	15	12.5	2.2
0.75	UAV2002-5	UAV3002-5		19.2	3.4
1.0	UAV2002-6	UAV3002-6		25	4.4
1.5	UAV2002-7	UAV3002-7		32	5.7
2.0	UAV2002-8	UAV3002-8		48	8.5

*Fn at max rated load and .036 inch DA input
 To correct for loads lower than rated load use:

$$F_n = F_{nn} \cdot \sqrt{P_r / P_a}$$

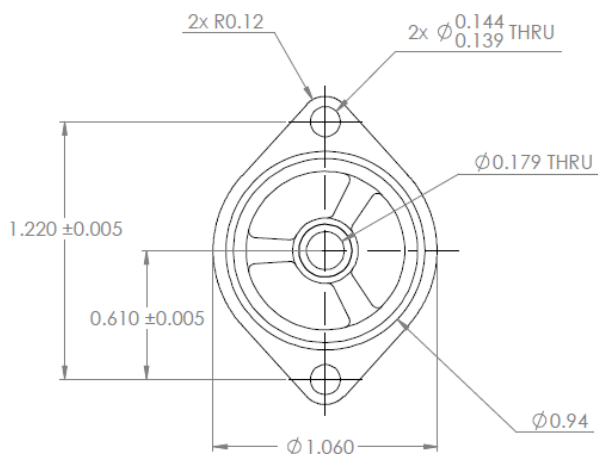
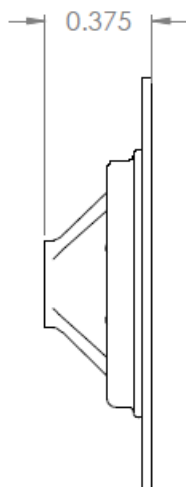
Where:

F_n : Natural Frequency at actual load (Hz)

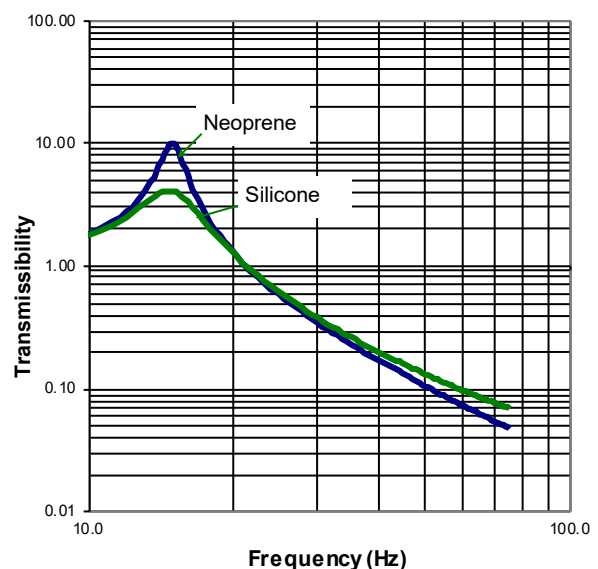
F_{nn} : Nominal Natural Frequency (Hz)

P_r : Rated load

P_a : Actual load



Transmissibility vs Frequency





HIGH DEFLECTION MOUNTS UAV3003

PRODUCT SPECIFICATIONS

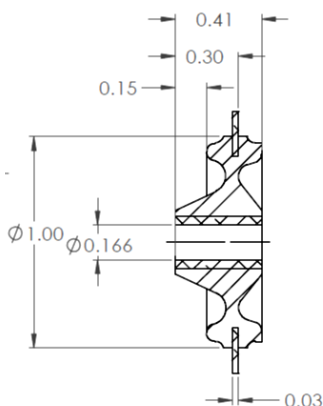
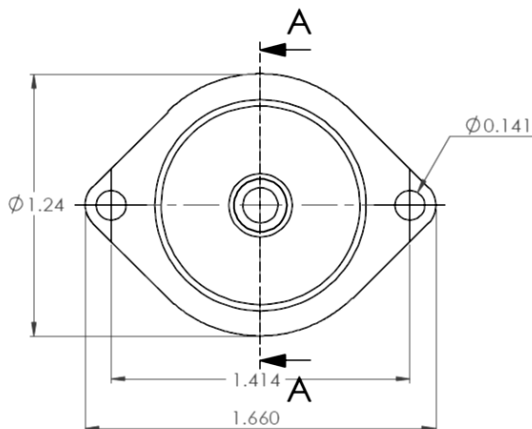
Operating Temperature: -67 to +300 F (Silicone)
 -20 to +180 F (Neoprene)
 Maximum Transmissibility at Resonance: 4.0 (Silicone)
 10.0 (Neoprene)
 Load Capacity: 0.5 – 3 lb
 Axial-Radial Stiffness Ratio: 1:1.6
 Part Weight: 0.2 oz.
 Materials: Core and Base Plate: AL 6061-T6
 Chem film per MIL-DTL-5541, Class 1A



Performance Characteristics

Load Rating (lb)	Part No. Neoprene	Part No. Silicone	Axial Natural Frequency	Axial Dynamic Spring Rate	
			Hz	lb/in	N/mm
0.5	UAV2003-B	UAV3003-B	18	17	3.0
1.0	UAV2003-1	UAV3003-1		33	5.8
1.5	UAV2003-1.5	UAV3003-1.5		50	8.8
2.0	UAV2003-2	UAV3003-2		67	11.8
3.0	UAV2003-3	UAV3003-3		100	17.0

*Fn at max rated load and .036 inch DA input
 To correct for loads lower than rated load use:
 $F_n = F_{nn} \cdot \sqrt{P_r / P_a}$
 Where:
 F_n : Natural Frequency at actual load (Hz)
 F_{nn} : Nominal Natural Frequency (Hz)
 P_r : Rated load
 P_a : Actual load



Transmissibility vs Frequency

