

4-106 Vibration Transducer

SPECIFICATIONS	Type 4-106-001 NSN 6695-00-520-4133	Type 4-106-002 NSN 4920-00-920-2559
Mounting Orientation	Sensitive axis in vertical direction base down	Sensitive axis in horizontal direction base down
Frequency Range	20 to 1000 Hz	10 to 1000 Hz
Amplitude Range	0.1 to 30 g peak	0.5 to 30 g peak
Sensitivity (into 10,000 Ohm resistive load)	122±5 mV/in/sec at 77°F (25°C)	
Linearity	±3% at 100 Hz within the dynamic range	±5% at 100 Hz within the dynamic range
Transverse Response	2% Max	
Thermal Coefficient of Sensitivity	-0.03% per degree F	-0.02% per degree F
Static Acceleration	2 g in sensitive axis produces full travel of moving mass	1 g in sensitive axis produces full travel of moving mass
Shock	100 g may be applied without damage	
Damped Resonant Frequency	5 Hz nominal	
Excitation	self generating	
Coil Resistance	600 Ohms ±15% at 77°F (25°C)	
Insulation Resistance	100 meg over temp range at 45 vdc	
Polarity	Red terminal is positive when velocity of case is upward	
Electrical Connection	Two No. 3-56 terminal studs on top of case	
Weight	6.0 oz. max	

