



SPECIFICATIONS MODELS 3019A & 3019A1 LIVM ACCELEROMETERS

SPECIFICATION	VALUE	UNITS
PHYSICAL WEIGHT SIZE, HEX x HEIGHT MOUNTING PROVISION, 3019A CONNECTOR, TOP MOUNTED MATERIAL, BODY & CONNECTOR	8.0 .375 x 0.73 INTEGRAL STUD INTEGRAL STUD 10-32 300 Series	Grams Inches 1/4-28 X .20 long 10-32 X .20 long Coaxial Stainless Steel
PERFORMANCE		
SENSITIVITY, ± 5% [1] RANGE F.S. FOR ± 5 VOLTS OUTPUT FREQUENCY RANGE, ± 5%	10.0 ± 500 1.0 to 10,000 .8 to 22,000 .3 to 25,000 50 .007 ± 2% 5 .012	mV/G G's Hz Hz Hz kHz G's RMS % F.S. % G's/µ @ 250 µ
ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK TEMPERATURE RANGE SEAL, HERMETIC COEFFICIENT OF THERMAL SENSITIVITY	1000/3000 -60 to +300 Glass-to-metal and TIG welded .03	± G's/G's PEAK ^O F
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3] OUTPUT IMPEDANCE, TYP. BIAS VOLTAGE, +10 VOLTS NOM. DISCHARGE TIME CONSTANT, NOM. OUTPUT SIGNAL POLARITY FOR ACCELERATION TOW/ ELECTRICAL ISOLATION, CASE GROUND TO MOUNTING	100 +9 to +10.5 0.5 ARD TOP	mA/Volts Ohms VDC Sec Positive 10 Megohms, min.

Measured at 100 Hz, 1 G RMS per ISA RP 37.2.
 Measured using zero-based best straight line method, % of F.S. or any lesser range.
 Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.