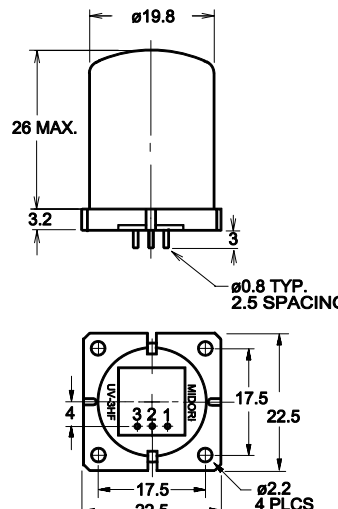
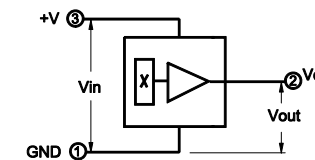
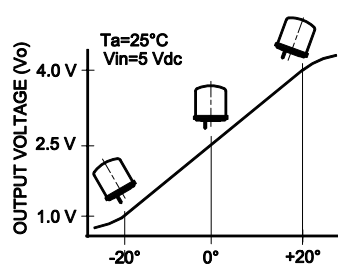
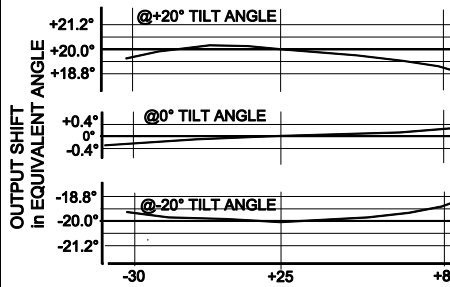


10749	REF. NO:	REVISION							
1.0 GENERAL DESCRIPTION: MODEL UV-3HF IS A HIGHLY RELIABLE INCLINOMETER, DESIGNED WITH MIDORI PROPRIETARY "BUOY-FLOAT" CONCEPT. THIS UNIQUE CONCEPT ALLOWS THE INCLINOMETER TO HAVE LITTLE OR NO MECHANICAL LOAD ON THE PIVOT, FEATURING LONG OPERATING LIFE AND MINIMAL EFFECT DUE TO SHOCK AND VIBRATION. ALSO, USING A TEMPERATURE STABLE "HALL-EFFECT" IC SENSOR WITH AMPLIFIERS AND SIGNAL CONDITIONING CIRCUIT, THIS MODEL OFFERS USERS AN OPTIMUM SOLUTION FOR TILT ANGLE SENSING APPLICATIONS IN SEVERE OPERATING CONDITIONS.		C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D		
			A	(1) WAS ±0.4°. (2) WAS ±1.2°.	10/02/02	T.TSUGAWA	Y.N.		
2.0 SPECIFICATIONS: (REFER TO FIGURES 1, 2, 3 AND 4)							FIGURE 2 SCHEMATIC		
2.1 ELECTRICAL ANGLE: ±20° (F.S.=40°)				FIGURE 3 OUTPUT CHARACTERISTICS					
2.2 INPUT VOLTAGE, Vin: 5 Vdc ±10%									
2.3 OPERATING CURRENT: 10 mA MAX.									
2.4 OUTPUT VOLTAGE, Vo: @Ta=25°C, Vin=5 Vdc, RL=10 KOHMS (1) SENSITIVITY: (70 ± 20) mV/1° (2) INDEPENDENT LINEARITY: ±2 % F.S. (3) HYSTERESIS: 0.5° MAX. (4) INDEX POINT 2.5 ±0.25 V									
2.5 RESPONSE TIME: APPROX. 1 SECOND				FIGURE 4 TEMP. CHARACTERISTICS (REF. ONLY)					
2.6 INSULATION RESISTANCE: 100 megOHMS @ 50 Vdc									
2.7 OPERATING TEMPERATURE: -30°C to +80°C -40°C to +85°C (STORAGE)									
2.8 TEMPERATURE EFFECT: (EXPRESSED AS CHANGE IN EQUIVALENT ANGLE OVER THE OPERATING TEMPERATURE RANGE, REFERENCED FROM Ta=25°C) (1) @ 0° TILT ANGLE: ±0.5° MAX. (2) @ ±20° TILT ANGLE: ±1.5° MAX.									
2.9 VIBRATION: 6.8 Gs, 16.7 Hz to 200 Hz		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in). TOLERANCES: ANGLES: ±1.5° ≤10 mm: ±0.25 <100 mm: ±0.5 ≥100 mm: ±1		DRAWN T. TSUGAWA DATE 04/20/98		SPECIFICATION DWG FOR MODEL UV-3HF INCLINOMETER BUOY-FLOAT TYPE		Midori America Corporation FULLERTON, CA B-MAC-B16 A	
2.10 SHOCK: 100 Gs				CHECKED H. KOMABA DATE 02/17/01					
2.11 WEIGHT: APPROX. 8 gr (0.28 oz)				APPROVED DATE					
		APPROVED DATE		SCALE:		FILE: UV-3HF		1 OF 1	

We are here for you. Addresses and Contacts.

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