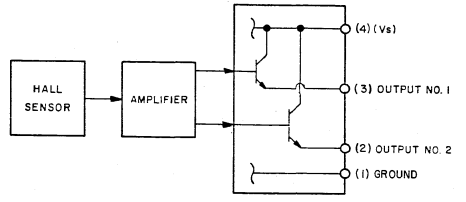
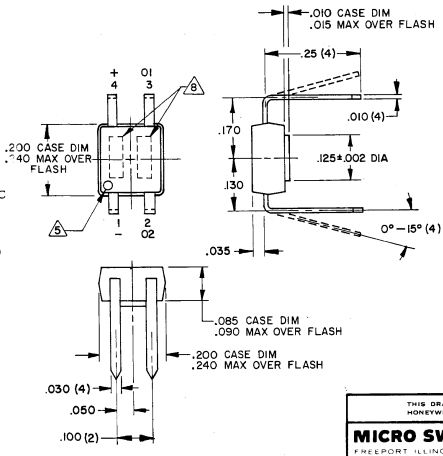
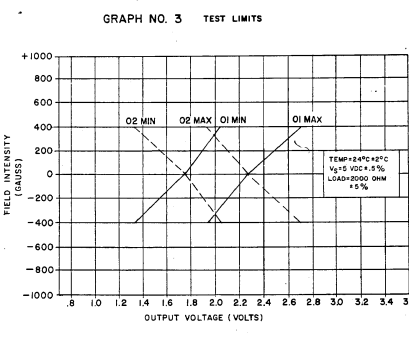
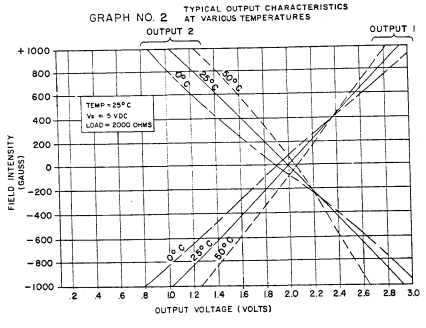
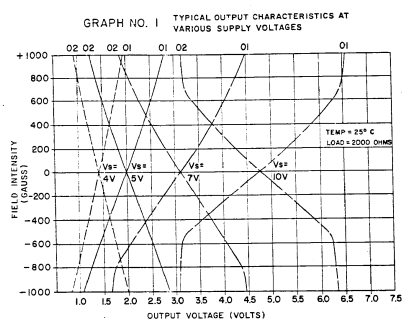


634SS2  
 PR-6519  
 M  
 3  
 REVISIONS  
 A 02/01/73  
 B 05/01/73  
 C 08/01/73  
 D 11/01/73  
 E 02/01/74  
 F 05/01/74  
 G 08/01/74  
 H 11/01/74  
 I 02/01/75  
 J 05/01/75  
 K 08/01/75  
 L 11/01/75  
 M 02/01/76  
 N 05/01/76  
 O 08/01/76  
 P 11/01/76  
 Q 02/01/77  
 R 05/01/77  
 S 08/01/77  
 T 11/01/77  
 U 02/01/78  
 V 05/01/78  
 W 08/01/78  
 X 11/01/78  
 Y 02/01/79  
 Z 05/01/79

ABSOLUTE MAXIMUM RATINGS	
SUPPLY VOLTAGE (V <sub>S</sub> )	+12 VDC MAX -1.2 VDC MIN
OUTPUT CURRENT	20 mA
OPERATING TEMPERATURE	-40°C TO 100°C
STORAGE TEMPERATURE	-55°C TO 150°C
MAGNETIC FLUX	NO LIMIT - THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS				
	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT $\Delta$		3.5	5.0	IN MILLIAMPS PLUS LOAD CURRENT (NO EXT. RESISTORS)
OUTPUT CURRENT			10.0	MILLIAMPS
OUTPUT VOLTAGE @ 0 GAUSS $\Delta$	1.75	2.0	2.25	VOLTS DC (REF (-) SUPPLY)
SENSITIVITY MEASURED BETWEEN $\Delta$ $\pm 400$ GAUSS $\Delta$	0.60	0.9	1.25	OUTPUT O1 MILLIVOLTS/GAUSS

- NOTES
- MAGNETIC DEFINITION (GAUSS)  
 THE MAGNETIC FIELD INTENSITY IS DEFINED AS FOLLOWS:  
 (+) POSITIVE GAUSS REPRESENTS THE SOUTH POLE OF THE MAGNET FACING THE SENSING AREA  
 (-) NEGATIVE GAUSS REPRESENTS THE NORTH POLE OF THE MAGNET FACING THE SENSING AREA  
 FIELD INTENSITY (GAUSS) IS CREATED BY A UNIFORM FIELD
  - OUTPUT CHARACTERISTICS (GRAPHS)  
 GRAPH #1 TYPICAL OUTPUT CHARACTERISTICS AT VARIOUS SUPPLY VOLTAGES (4.0, 5.0, 7.0 AND 10.0 VDC)  
 GRAPH #2 TYPICAL OUTPUT CHARACTERISTICS AT VARIOUS TEMPERATURES (0°C, 24°C AND 50°C)  
 GRAPH #3 DEVICE TO DEVICE VARIATIONS. ALL DEVICES WILL HAVE CHARACTERISTICS THAT FALL WITHIN THE MAX AND MIN LIMITS SET ON THE GRAPH (NO EXTERNAL BIAS RESISTORS)  
 $\Delta$  A 2,000  $\pm 5\%$  OHM RESISTOR WAS USED AS A LOAD FOR ALL DATA SHOWN  
 $\Delta$  SUPPLY VOLTAGE AT 5 VDC  $\pm .5\%$ ; TEMPERATURE AT 24°C  $\pm 2^\circ$ C  
 ORIENTATION MARK DESIGNATES PIN 1  
 6 - 1K = 1000 OHMS  
 7 - PIN DESIGNATIONS WILL NOT BE PRINTED ON THE PACKAGE  
 8 - THE LOT NUMBER AND CATALOG LISTING WILL BE STAMPED ON THE PACKAGE.  
 9 - SUPPLY VOLTAGE RANGE IS 4 TO 10 VDC



PACKAGE WITH CURRENT SOURCING OUTPUTS

<p>THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.</p> <p><b>MICRO SWITCH</b>          FREEPORT ILLINOIS U.S.A.          A DIVISION OF HONEYWELL          FIG. 474 CODE 3134</p>	<p><b>SOLID STATE</b>          LINEAR OUTPUT MAGNETIC          TRANSDUCER</p>	<p>CATALOG LISTING  <b>634SS2</b></p>	<p>THIRD ANGLE PROJECTION</p> <p>SCALE NONE</p> <p>DO NOT SCALE PRINT</p> <p>TOLERANCES          UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED</p> <p>DESIGN UNITS          DECIMAL INCHES</p> <p>WEIGHT</p>
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