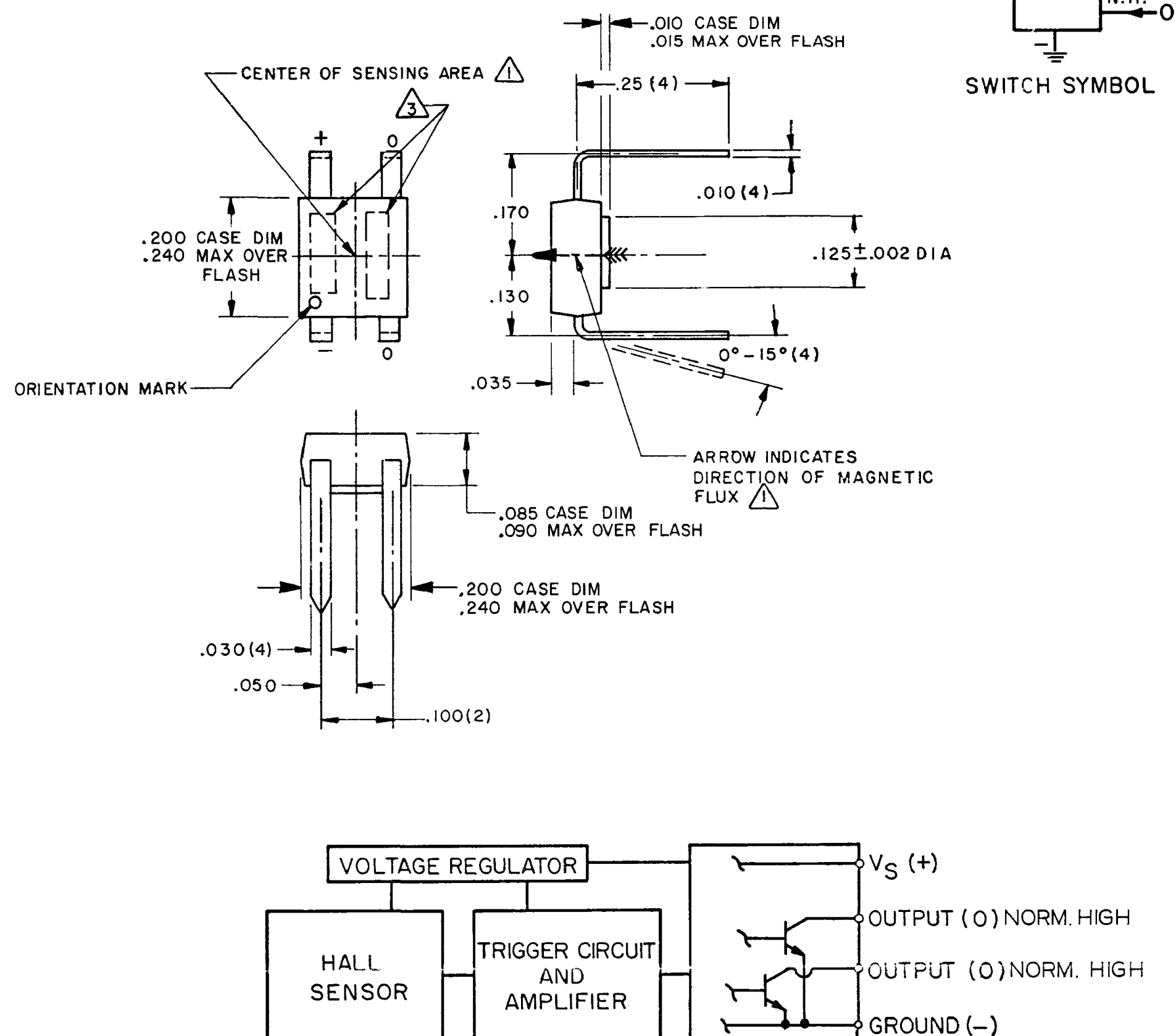
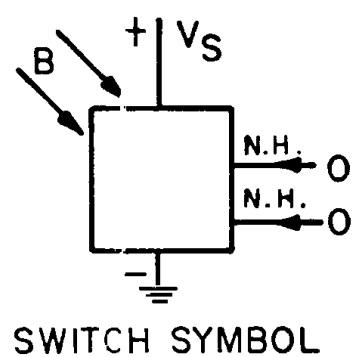




BLOCK DIAGRAM SHOWING CURRENT SINKING OUTPUT

- NOTES**

 - 1** TO ACTUATE THE DEVICE, THE SOUTH POLE OF THE MAGNET OR MAGNETIC FLUX GENERATOR MUST BE PRESENTED TO THE CENTER OF THE FRONT SURFACE OF THE DEVICE. (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET.)
 - 2** THE MAGNETIC FIELD STRENGTH (GAUSS) REQUIRED TO CAUSE THE SWITCH TO CHANGE STATE (OPERATE AND RELEASE) WILL BE AS SPECIFIED IN THE OPERATING CHARACTERISTICS. TO TEST THE SWITCH AGAINST THE SPECIFIED OPERATING CHARACTERISTICS, THE SWITCH MUST BE PLACED IN A UNIFORM MAGNETIC FIELD
 - 3** CATALOG LISTING AND LOT NO. WILL BE STAMPED ON THE PACKAGE
 - 4** AT SUPPLY VOLTAGE OF 6 TO 16 VDC AND OVER THE TEMPERATURE RANGE SPECIFIED
 - 5** AT $24 \pm 2^\circ\text{C}$
 - 6** V_S IS THE UNREGULATED SUPPLY VOLTAGE



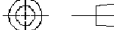
MAGNETIC CHARACTERISTICS			 			CAT A L O G L I S T I N G
TEMP RANGE	-40°C TO 150°C	-40°C TO 100°C	0°C TO 70°C			
OPERATE MAX	205	180	165			617SS4
RELEASE MIN	-205	-180	-165			
DIFF MIN	33	33	33			
OPERATE MAX						
RELEASE MIN						
DIFF MIN						
OPERATE MAX						
RELEASE MIN						
DIFF MIN						

ABSOLUTE MAXIMUM RATING

SUPPLY VOLTAGE (V_S) 	-1.2 TO +20 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	+20 VDC MAX WITH SWITCH IN "OFF" CONDITION ONLY -0.5 V WITH SWITCH IN "OFF" OR "ON" CONDITION
LOAD ON OUTPUT	20 MA
TEMPERATURE	-40°C TO +150°C
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT $\triangle 5$		3 mA 5 mA	10.0 mA 10.0 mA	PLUS LOAD CURRENT $V_S = 6$ VOLTS $\triangle 6$ $V_S = 16$ VOLTS
OUTPUT VOLTAGE $\triangle 4$ (OPERATED)		0.15 VOLTS	0.4 VOLTS	SINKING 10 MA
OUTPUT LEAKAGE $\triangle 4$ CURRENT (RELEASED)			0 μ A	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 10MA) $\triangle 4$				
RISE TIME		0.2 μ s	1.5 μ s	10% TO 90%
FALL TIME		0.1 μ s	0.5 μ s	90% TO 10%

THIRD ANGLE PROJECTION		
		
SCALE		
DO NOT SCALE PRINT		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		
ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES		±
WEIGHT		

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SOLID STATE SWITCH
MAGNETICALLY OPERATED

CATALOG LISTING
617SS SERIES
CHART I