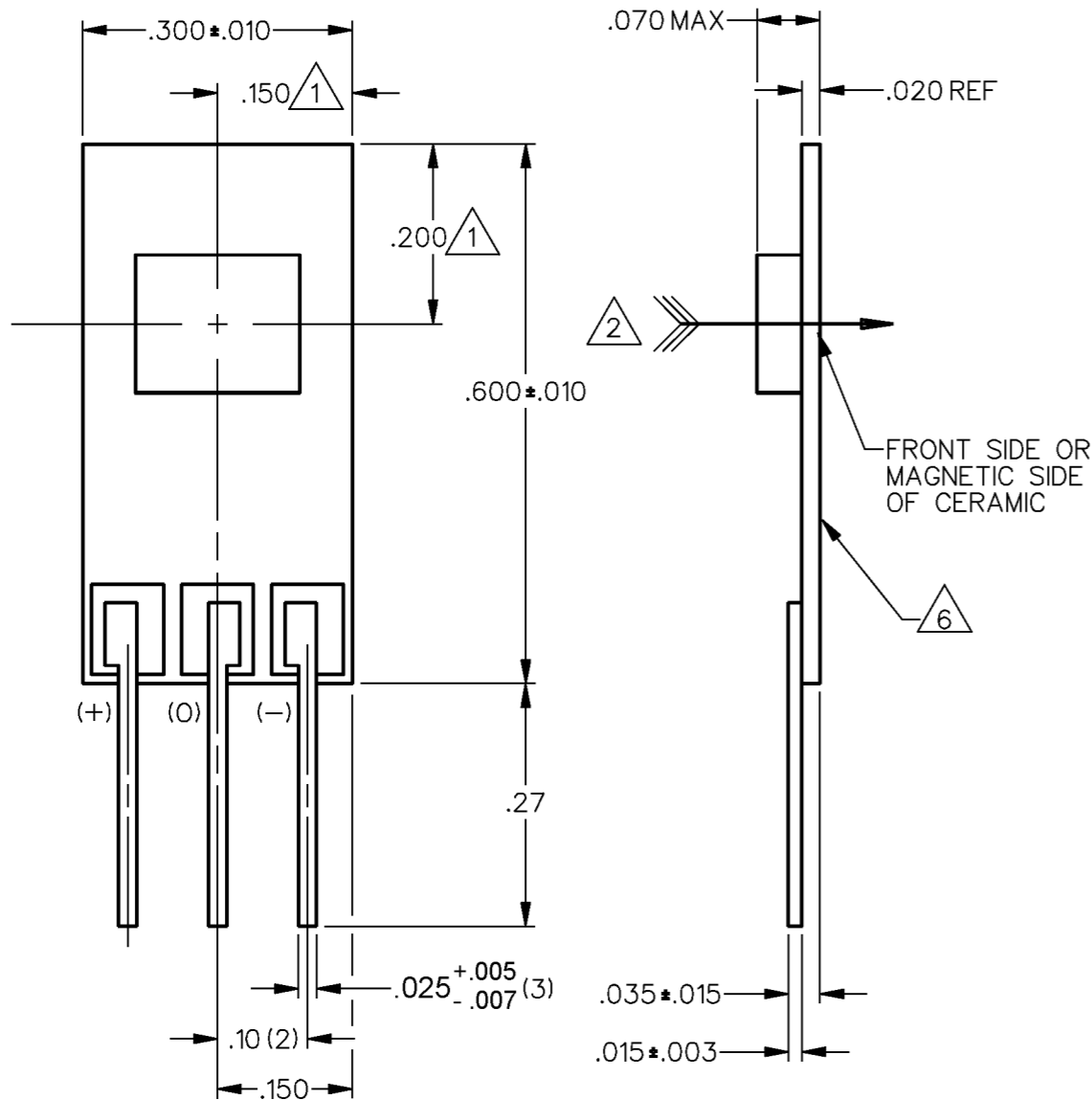
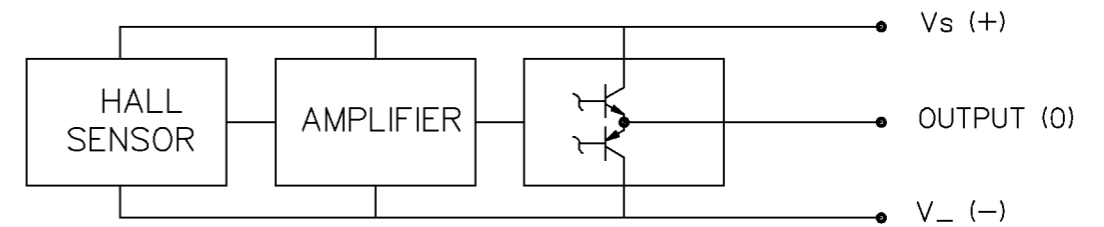


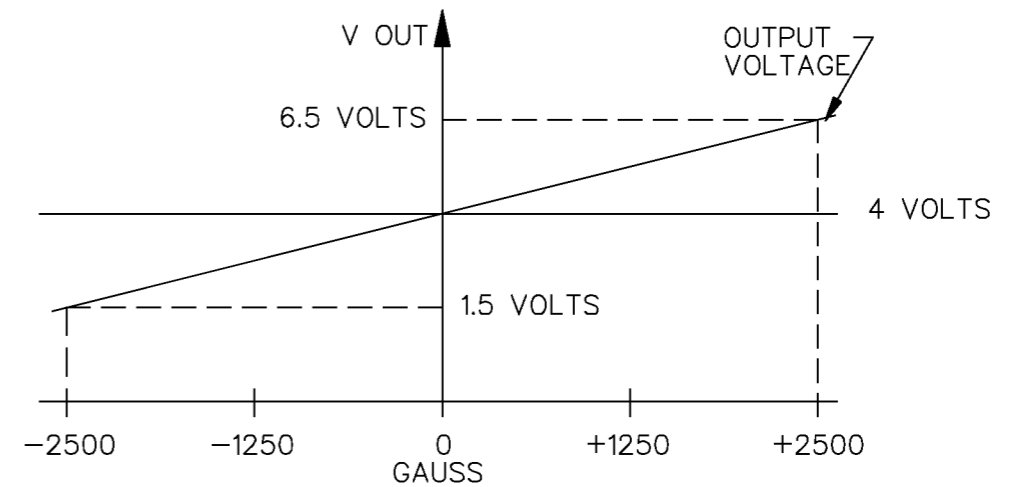
**OPERATING CHARACTERISTICS**

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS/REMARKS
SUPPLY VOLTAGE	6.6	8.0	12.6	VOLTS	-40°C TO +125°C
SUPPLY CURRENT		13	30	mA	MAX @ 12.6 V @ -40°C
OUTPUT CURRENT			1	mA	SINKING OR SOURCING
OUTPUT SPAN		.625 V <sub>S</sub>		VOLTS	-2500G TO +2500G @ 25°C $\nabla$ 5
SENSITIVITY	.98	1.00	1.02	mV/g	@ 8.0 V <sub>S</sub> & 25°C
LINEARITY	-1.5	-.8	0	% OF SPAN	DEV FROM STR LINE THRU -2500 AND +2500
V <sub>OUT</sub> @ 0 GAUSS	3.960	4.000	4.040	VOLTS	25°C
TEMP ERROR-NULL	-.007		+.007	%/°C	-40°C TO +125°C
TEMP ERROR-GAIN	-.02		+.02	%/°C	-40°C TO +125°C

**BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT**



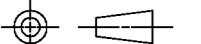
**NOMINAL TRANSFER CHARACTERISTICS AT 8.0 VDC**



**NOTES**

- ① CENTERLINE OF HALL CELL (IC) ONLY. THE LOCATION OF THE CERAMIC COVER IS NOT SPECIFIED
- ② THE + MAGNETIC FLUX IS IN THIS DIRECTION (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)
- 3 - THE DEVICE CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE
- 4 - OUTPUT TYPE - RATIOMETRIC
- ⑤ THE OUTPUT IS CLAMPED AT 9.0 VDC MINIMUM, 9.5 VDC TYPICAL
- ⑥ THIS SIDE COATED WITH CONDUCTIVE MATERIAL WHICH IS ELECTRICALLY CONNECTED TO (-) TERMINAL

THIRD ANGLE PROJECTION



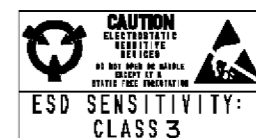
SCALE 5 : 1

DO NOT SCALE PRINT

**UNLESS OTHERWISE SPECIFIED TOLERANCES ARE**

ONE PLACE	(.0)	±.030
TWO PLACE	(.00)	±.015
THREE PLACE	(.000)	±.005
ANGLES		±

WEIGHT



CATALOG LISTING  
**SS94A2D**  
PAGE 1 OF 1

ISSUE  
**M**  
6

REVISIONS

A	CO72441	J A S	19 MAY 92
B	CO73769	K A G	10 NOV 92
C	CO95704	DLM	22 MAR 00
D	0038690	PRS	14 APR 08
E	0039911	SS	19 MAY 08

RELEASE NO. PR-16879  
REPLACES X90087-SS

18 JAN 89  
26 JAN 89  
18 JAN 89

RASTER  
DRAWN  
T M M