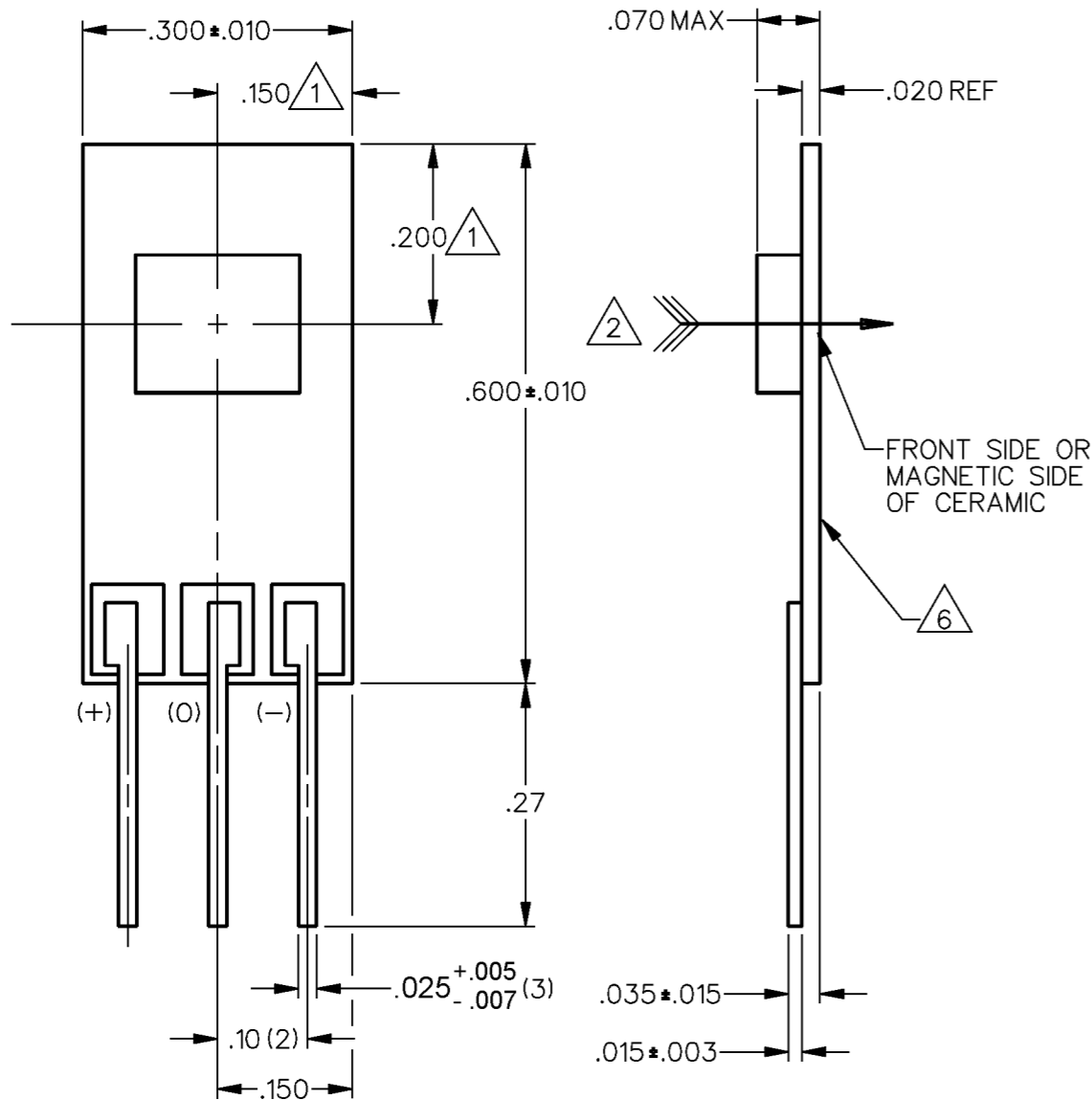
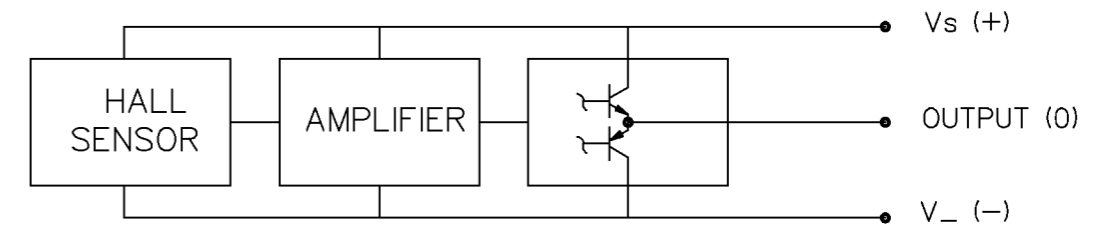


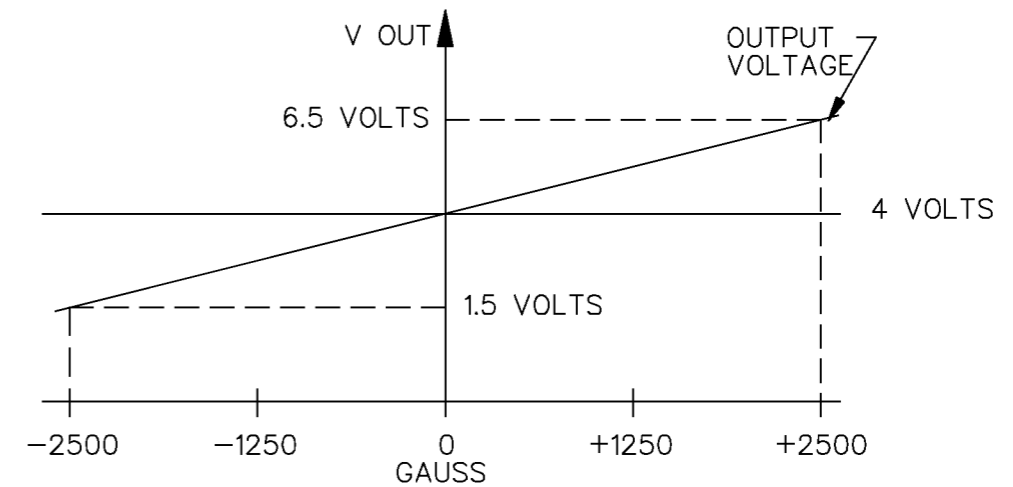
**OPERATING CHARACTERISTICS**

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**



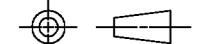
**NOMINAL TRANSFER CHARACTERISTICS AT 8.0 VDC**



**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  
REPLACES PR-16879  
ISSUE 6

REVISIONS

REV	NO	DATE	BY	CHK	DESCRIPTION
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			

RASTER  
DRAWN

T M M 18 JAN 89 CHECK T M M 26 JAN 89 CHECK