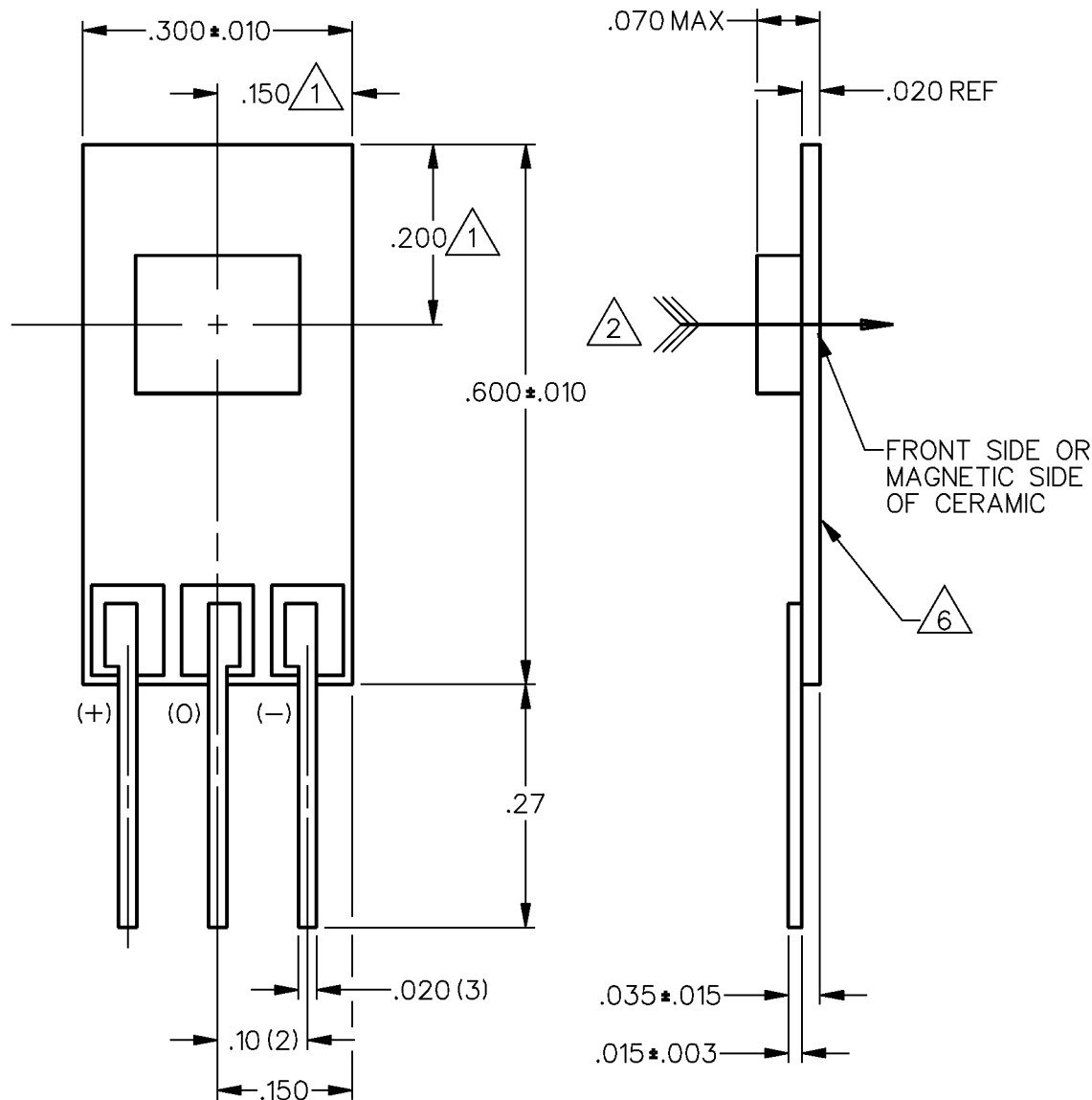
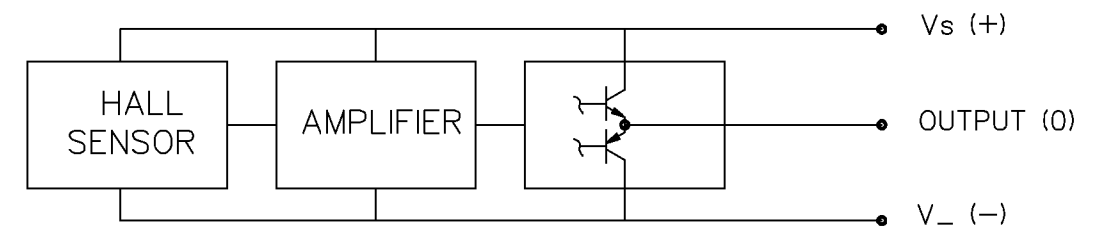


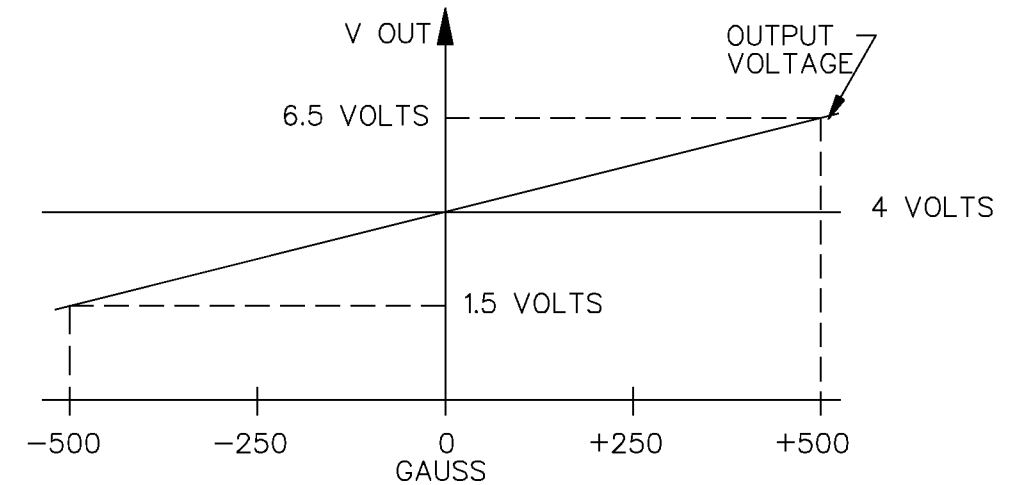
OPERATING CHARACTERISTICS

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 _S		VOLTS	-500G TO +500G @ 25°C ∇ 5
SENSITIVITY	4.90	5.0	5.10	mV/g	@ 8.0 V _S & 25°C
LINEARITY	-1.5	-.8	0	% OF SPAN	DEV FROM STR LINE THRU -500 AND +500
V _{OUT} @ 0 GAUSS	3.960	4.000	4.040	VOLTS	25°C
TEMP ERROR-NULL	-.02		+.02	%/°C	-40°C TO +125°C
TEMP ERROR-GAIN	-.02		+.02	%/°C	-40°C TO +125°C

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



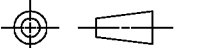
NOMINAL TRANSFER CHARACTERISTICS AT 8.0 VDC



NOTES

- 1 CENTERLINE OF HALL CELL
- 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
SS94A2
PAGE 1 OF 1

ISSUE
M
3

REVISIONS
A C072441
J A S
19 MAY 92
B C0795704
DLM
22 MAR 00

CHECK M J B
1 NOV 88

CHECK T M M
1 NOV 88

CHECK J A S
31 OCT 88

REPLACES X89747-SS
RELEASE NO. PR-16879

FORMTEK
DRAWN