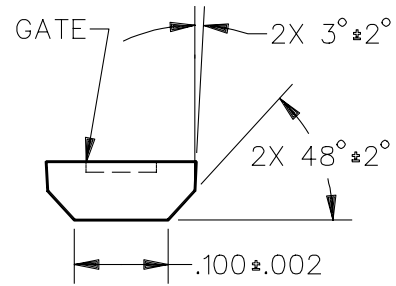
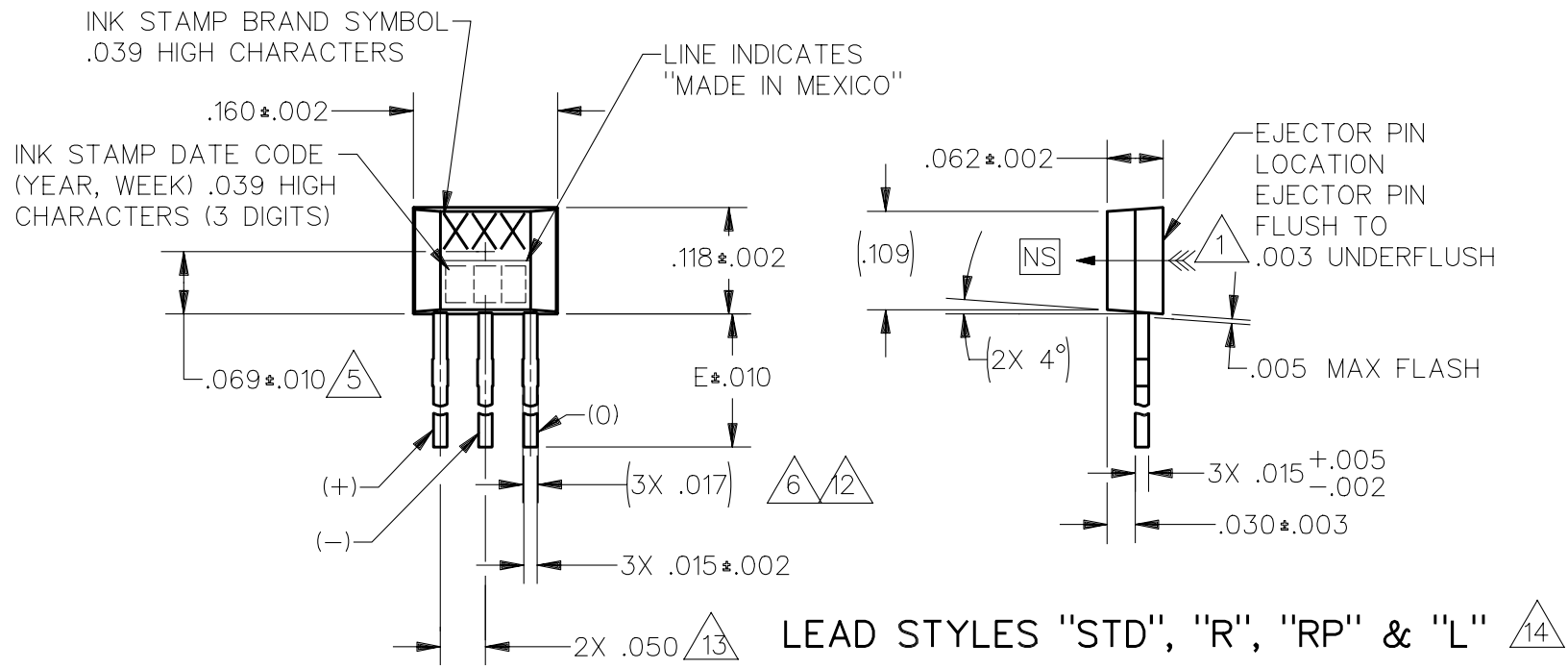


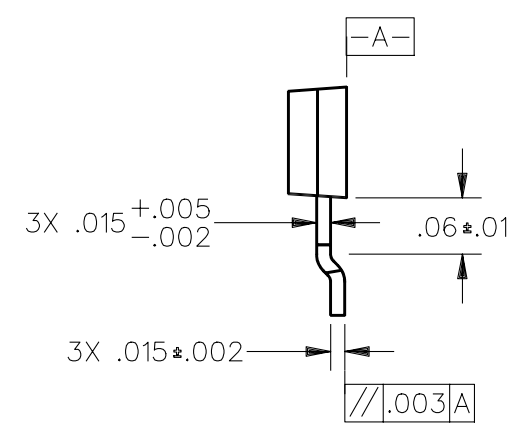
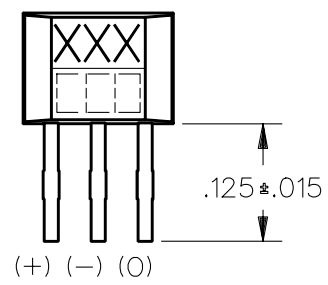
LEAD STYLES



ALL LEAD STYLES



LEAD STYLES "STD", "R", "RP" & "L"



LEAD STYLES "S" & "SP"

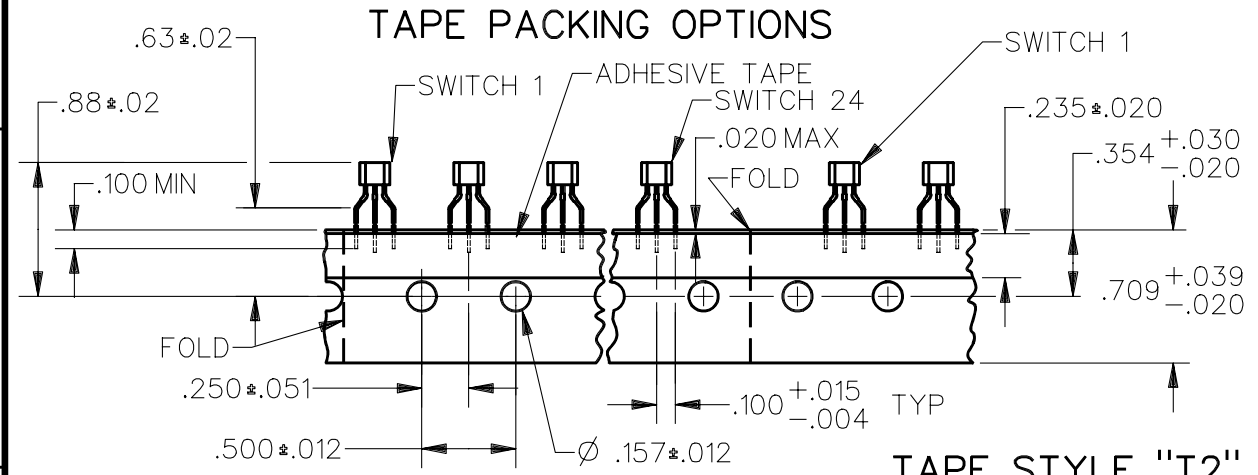
NOTES

- 1 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
- 2 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, 25°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)
- 3 A 2000 ±5% OHM RESISTOR WAS USED AS A LOAD FOR ALL DATA SHOWN
- 4 SUPPLY VOLTAGE AT 5 VDC ±.5%; TEMPERATURE AT 24°C ±2°C
- 5 HALL ELEMENT LOCATION WITH INTEGRATED CIRCUIT PLACEMENT TOLERANCE
- 6 DIMENSIONS NOTED ARE DUE TO TIE BAR REMOVAL OPERATION AND ARE VALID ONLY IN TIE BAR AREA LOCATED WITHIN .080 DIMENSION
- 7 - SUPPLY VOLTAGE RANGE IN 4 TO 10 VDC
- 8 - LEADS MUST BE ADEQUATELY SUPPORTED DURING ANY FORMING/SHEARING OPERATION TO ENSURE THAT LEADS ARE NOT STRESSED INSIDE THE PLASTIC
- 9 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
250° TO 260°C SOLDERING TEMPERATURE 3 SECONDS MAXIMUM SOLDERING TIME
- 10- OPERATING TEMP RANGE: 0°C TO 85°C
- 11 ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THAT THE DEVICE WILL WITHSTAND WITHOUT DAMAGE TO THE DEVICE. HOWEVER, THE ELECTRICAL AND MAGNETIC CHARACTERISTICS ARE NOT GUARANTEED AS THE MAXIMUM LIMITS (ABOVE RECOMMENDED OPERATING CONDITIONS) ARE APPROACHED, NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATING
- 12 BURRS ARE ALLOWED ONLY IF FULL LENGTH OF LEADS WILL PASS THROUGH Ø.023 HOLE
- 13 DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THEY EXIT THE PLASTIC PACKAGE
- 14 LEAD STRAIGHTNESS MAY BE DETERIORATED ON SOME UNITS BY BULK PACKAGING. APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION
- 15 AMMOPACK STYLE "T2" & "T3". 24 SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "FAN FOLD"
- 16 TAPE AND REEL PER EIA-468
- 17 SOME COMBINATIONS OF BASIC LISTING AND PACKING OR LEAD TRIM OPTIONS MAY NOT BE AVAILABLE

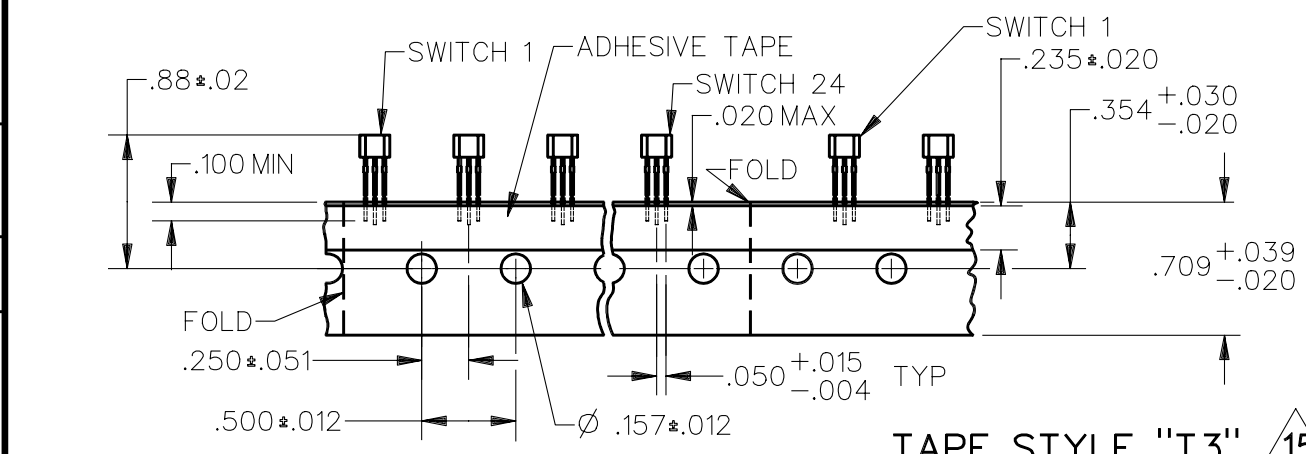
THIRD ANGLE PROJECTION	
SCALE	5 : 1
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) ±.030
TWO PLACE	(.00) ±.015
THREE PLACE	(.000) ±.005
ANGLES	±
WEIGHT	

CATALOG LISTING
SS49 SERIES CHART 1
PAGE 2 OF 3
ISSUE **M**
1

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TAPE STYLE "T2" $\triangle 15$ $\triangle 16$



TAPE STYLE "T3" $\triangle 15$ $\triangle 16$

CATALOGING SYSTEM $\triangle 17$

PREFIX

BASIC CATALOG LISTING:
PACKAGE STYLE, MAGNETIC TYPE,
ELECTRICAL/MAGNETIC SPECS

SUFFIX

LEAD & PACKAGING OPTIONS:
BULK, TAPE & REEL,
POCKET TAPE & REEL

CHARACTERS IN THESE POSITIONS OF THE LISTING ARE BRANDED ON THE PRODUCT

SS49D

SS=PACKAGE STYLE
MAGNETIC TYPE
9=LINEAR

ELECTRICAL/MAGNETIC OPTIONS
(A-K, & U-Z) BLANK
A=STANDARD
B-K & U-Z=SPECIALS
SPECIAL FEATURE (BLANK, 1-9)
BLANK=STANDARD
1-9=SPECIALS

OPTIONS

- T 2
- T 3
- S P
- S
- R P
- R
- L

DESCRIPTION	NOMINAL LEAD SPACING	NOMINAL "E" DIM LENGTH	PARTS PER CONTAINER
STANDARD, BULK PACK $\triangle 15$.050	.590	1000/BAG
TAPE, AMMOPACK	.100	.590	5000/BOX
TAPE, AMMOPACK	.050	.590	5000/BOX
SURF MOUNT, BULK PACK	.050	.125	1000/BAG
SURF MOUNT, POCKET TAPE	.050	.125	1000/REEL
REDUCED LENGTH, BULK PACK	.050	.130	1000/BAG
REDUCED LENGTH, POCKET TAPE	.050	.130	1000/REEL
LONG LEADS, BULK PACK	.050	.735	1000/BAG

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THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

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

WEIGHT

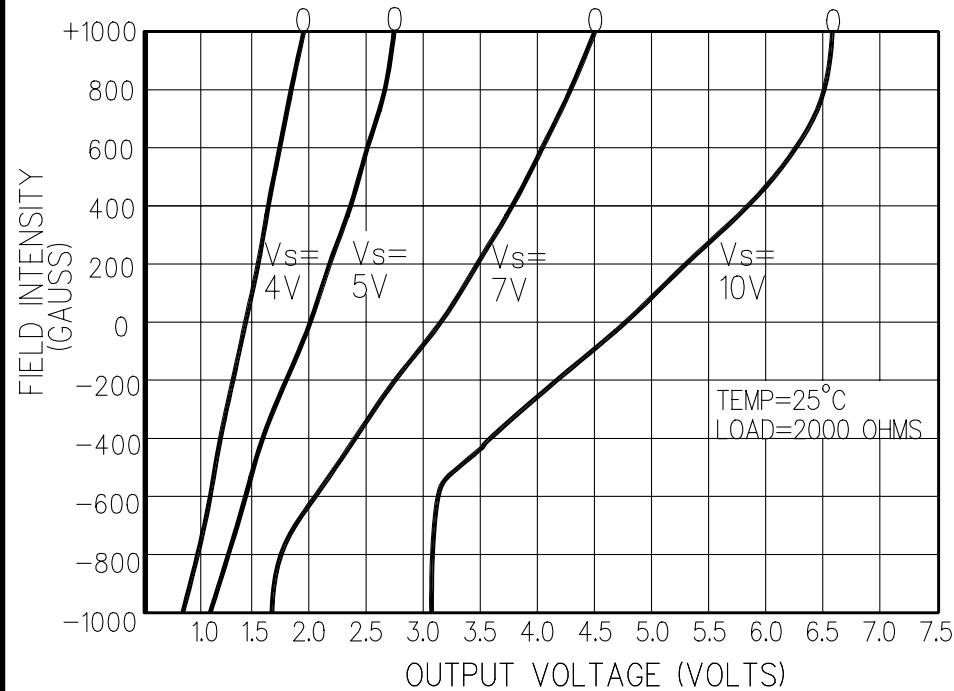
ABSOLUTE MAXIMUM RATINGS /11

SUPPLY VOLTAGE (Vs)	+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

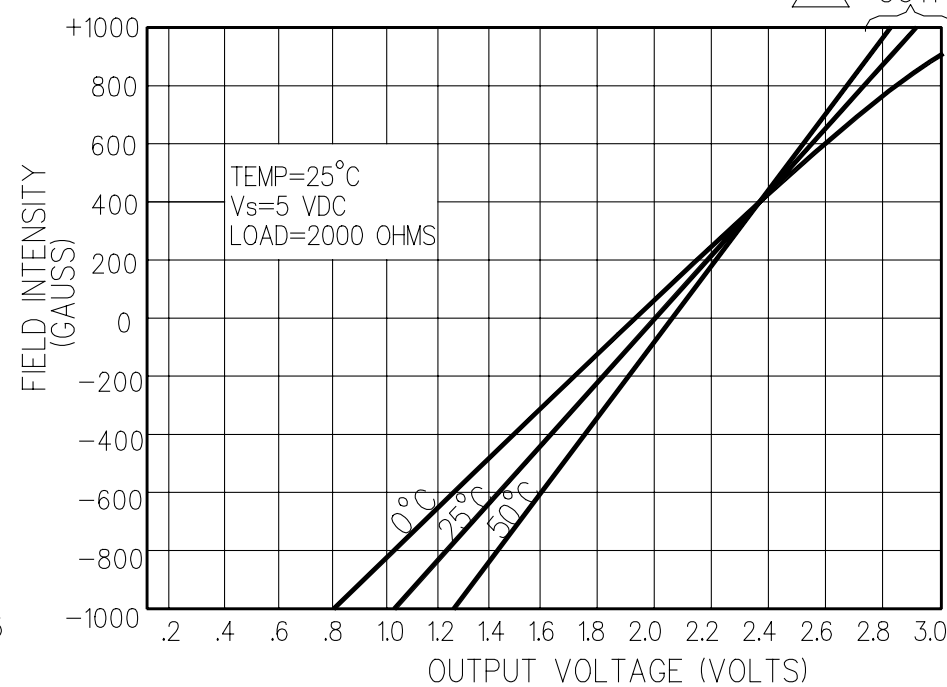
ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT $\triangle 4$		3.5	5.0	IN MILLIAMPS PLUS LOAD CURRENT (NO EXT. RESISTORS)
OUTPUT CURRENT			10.0	MILLIAMPS
OUTPUT VOLTAGE AT 0 GAUSS $\triangle 3 \times 4$	1.75	2.0	2.25	VOLTS DC (REF (-) SUPPLY)
SENSITIVITY MEASURED BETWEEN ± 400 GAUSS $\triangle 3 \times 4$	0.60	0.9	1.25	OUTPUT 01 MILLIVOLTS/GAUSS

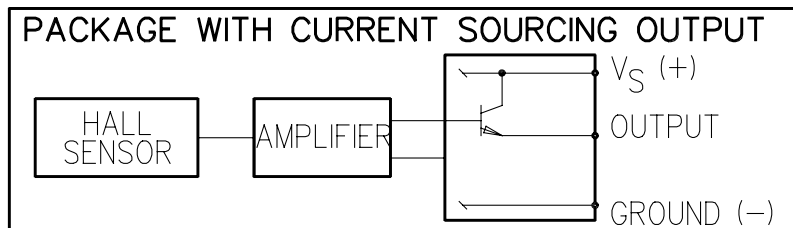
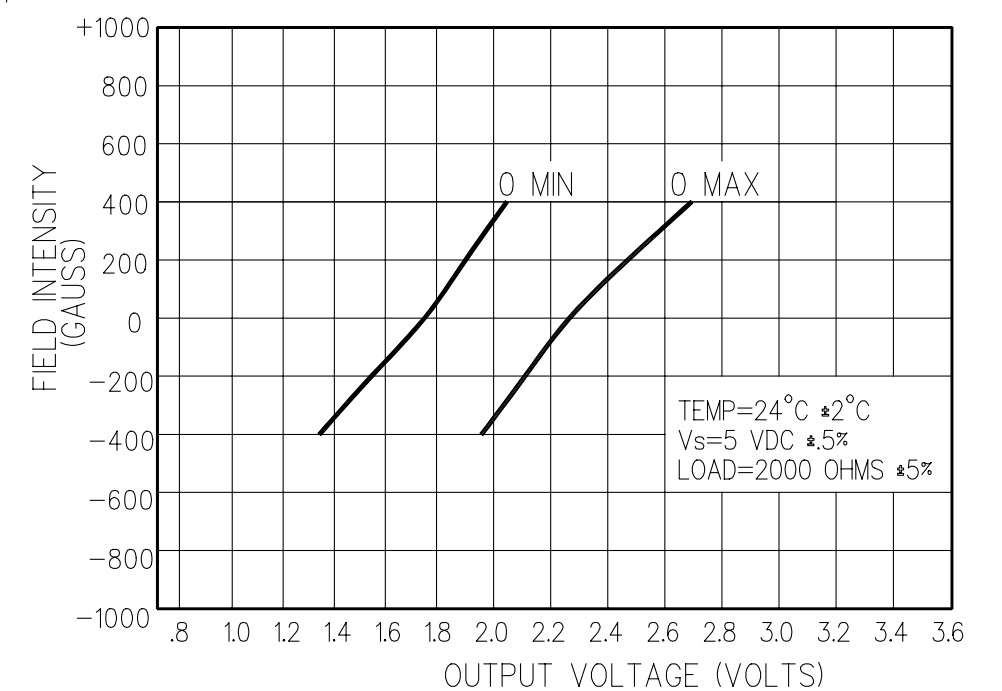
GRAPH NO. 1 TYPICAL OUTPUT CHARACTERISTICS $\triangle 2$ AT VARIOUS SUPPLY VOLTAGES



GRAPH NO. 2 TYPICAL OUTPUT CHARACTERISTICS $\triangle 2$ AT VARIOUS TEMPERATURES



GRAPH NO. 3 TEST LIMITS $\triangle 2$



THIRD ANGLE PROJECTION

SCALE NONE

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

SS49 SERIES CHART 1

ISSUE

1

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REPLACES

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