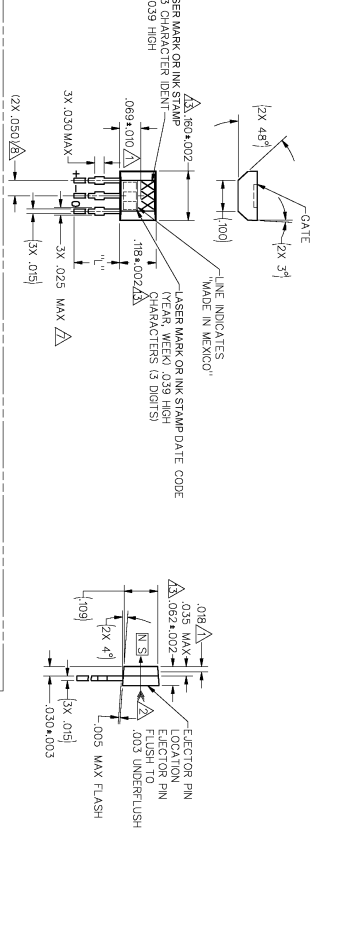
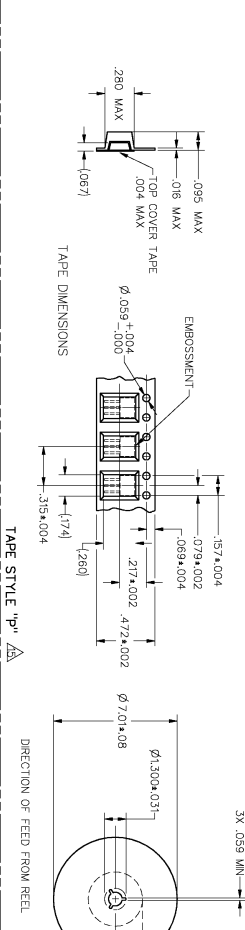
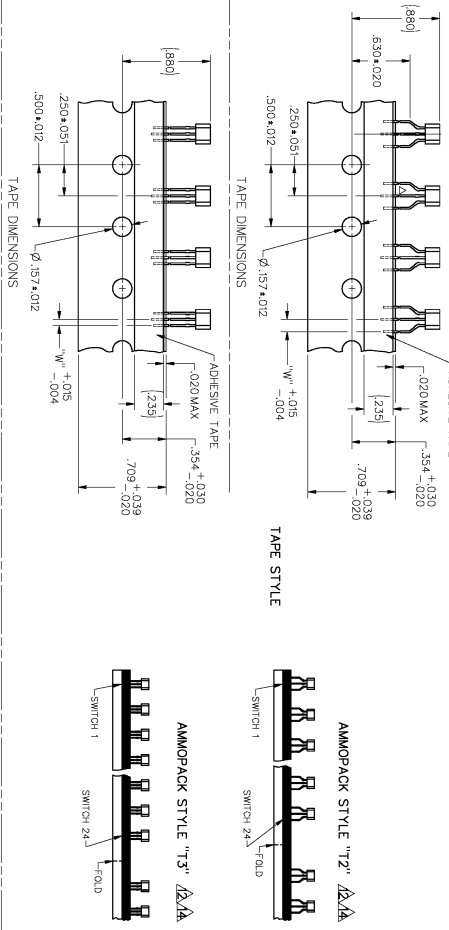


TAPE PACKING OPTIONS



- NOTES
- 1 - CENTERLINE OF HALL CELL.
  - 2 - DIMENSION "L" IS IN THE DIRECTION SHOWN. THIS ASSURES THE CONNECTION OF THE EXTERNAL FLUX OF A MOUNT IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET.
  - 3 - THE DEVICE CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE.
  - 4 - OUTPUT TYPE - RADIOMETRIC SUPPORTED DURING ANY FORMING/SHEERING OPERATION TO PREVENT DAMAGE TO THE DEVICE.
  - 5 - ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THE DEVICE WILL MOMENTARILY WITHSTAND WITHOUT DAMAGE TO THE DEVICE. ELECTRICAL AND MAGNETIC CHARACTERISTICS OF THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS.
  - 6 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
    - a. LEAD STRAIGHTNESS MAY BE DETRIMENTAL ON SOME UNITS BY BULK PACKAGING.
    - b. APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION 24 SWITCHES BETWEEN FOLDS. SKIP 1 SPACE AT FOLD.
    - c. ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THE DEVICE WILL MOMENTARILY WITHSTAND WITHOUT DAMAGE TO THE DEVICE. ELECTRICAL AND MAGNETIC CHARACTERISTICS OF THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS.
  - 7 - DIMENSION "W" REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE.
  - 8 - ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THE DEVICE WILL MOMENTARILY WITHSTAND WITHOUT DAMAGE TO THE DEVICE. ELECTRICAL AND MAGNETIC CHARACTERISTICS OF THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS.
  - 9 - SOME COMBINATIONS OF BASIC LISTING AND PACKAGE OPTIONS MAY NOT BE AVAILABLE.
  - 10 - DIMENSION "R" IS THE RADIUS OF THE LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION 24 SWITCHES BETWEEN FOLDS. SKIP 1 SPACE AT FOLD.
  - 11 - DIMENSION "R" IS THE RADIUS OF THE LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION 24 SWITCHES BETWEEN FOLDS. SKIP 1 SPACE AT FOLD.
  - 12 - BE REFERRED TO AS "AN FOLD".
  - 13 - WOLDED PART DIMENSIONS DO NOT INCLUDE FLASH. FLASH IS LIMITED TO .005 MAXIMUM.
  - 14 - TAPE AND AMMOPACK PER EA-468.
  - 15 - POKET TAPE PER EA-461.

CATALOG LISTING	TAPE STYLE	DMW	L	DNM	W	COMMENTS
SS496A	NONE	.590	.050	BULK-1000/BAG		
SS496B	NONE	.590	.050	BULK-1000/BOX		
SS496C	NONE	.590	.050	BULK-1000/BAG		
SS496D	NONE	.590	.050	BULK-1000/BOX		
SS496E	NONE	.590	.050	BULK-1000/BAG		
SS496F	NONE	.590	.050	BULK-1000/BOX		
SS496G	NONE	.590	.050	BULK-1000/BAG		
SS496H	NONE	.590	.050	BULK-1000/BOX		
SS496I	NONE	.590	.050	BULK-1000/BAG		
SS496J	NONE	.590	.050	BULK-1000/BOX		
SS496K	NONE	.590	.050	BULK-1000/BAG		
SS496L	NONE	.590	.050	BULK-1000/BOX		
SS496M	NONE	.590	.050	BULK-1000/BAG		
SS496N	NONE	.590	.050	BULK-1000/BOX		
SS496O	NONE	.590	.050	BULK-1000/BAG		
SS496P	NONE	.590	.050	BULK-1000/BOX		
SS496Q	NONE	.590	.050	BULK-1000/BAG		
SS496R	NONE	.590	.050	BULK-1000/BOX		
SS496S	NONE	.590	.050	BULK-1000/BAG		
SS496T	NONE	.590	.050	BULK-1000/BOX		
SS496U	NONE	.590	.050	BULK-1000/BAG		
SS496V	NONE	.590	.050	BULK-1000/BOX		
SS496W	NONE	.590	.050	BULK-1000/BAG		
SS496X	NONE	.590	.050	BULK-1000/BOX		
SS496Y	NONE	.590	.050	BULK-1000/BAG		
SS496Z	NONE	.590	.050	BULK-1000/BOX		

DRIVING NUMBER  
PAGE 1 OF 4  
RELEASE BY: BR-22400  
REWORK: X100795-SS

ESD SENSITIVITY  
ELECTROSTATIC DISCHARGE SENSITIVE  
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MIL-STD-883C, METHOD 2002, CLASS B  
MIL-STD-883C, METHOD 2003, CLASS B  
MIL-STD-883C, METHOD 2004, CLASS B  
MIL-STD-883C, METHOD 2005, CLASS B  
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MIL-STD-883C, METHOD 2013, CLASS B  
MIL-STD-883C, METHOD 2014, CLASS B  
MIL-STD-883C, METHOD 2015, CLASS B  
MIL-STD-883C, METHOD 2016, CLASS B  
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MIL-STD-883C, METHOD 2099, CLASS B  
MIL-STD-883C, METHOD 2100, CLASS B

SCALE	UNIT	DESCRIPTION
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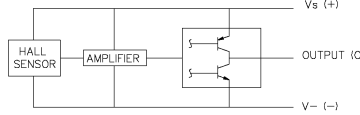
CHARACTERISTICS ARE AT  $V_s=5.00$  WITH 4.7K OUTPUT TO MINUS WITH  $T_A = -40^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$  UNLESS OTHERWISE SPECIFIED

SS496A

SS496 SERIES CHART 1

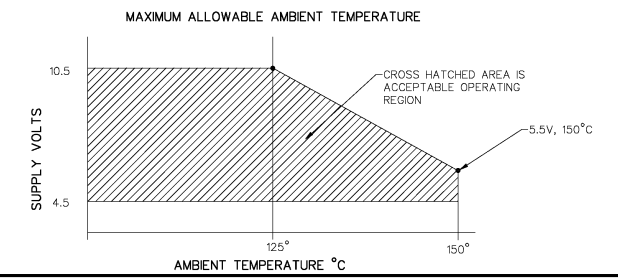
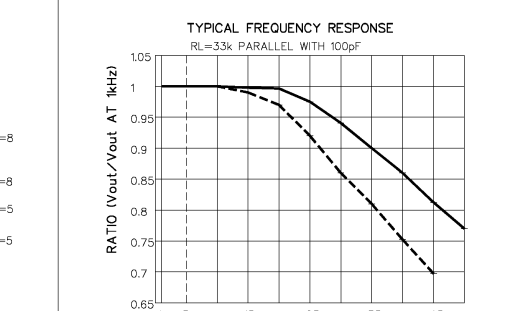
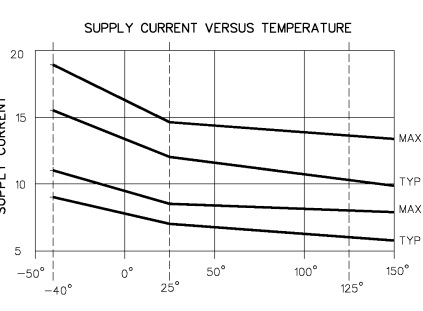
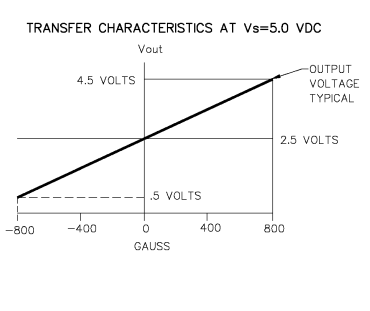
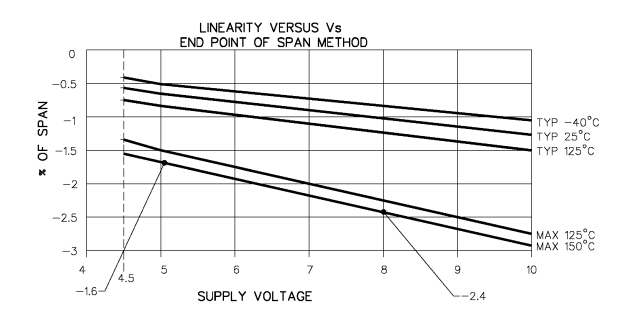
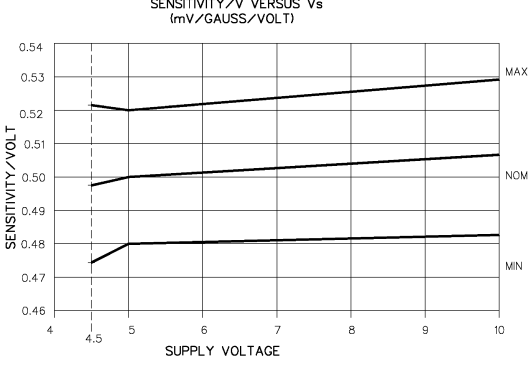
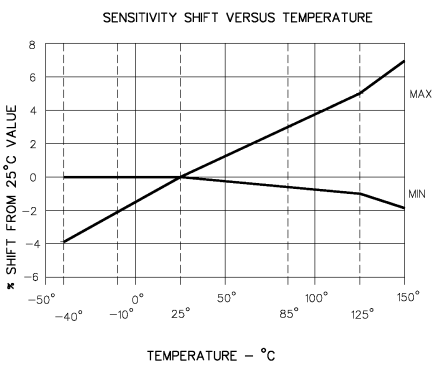
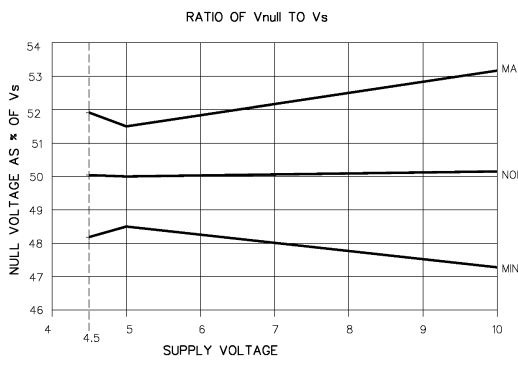
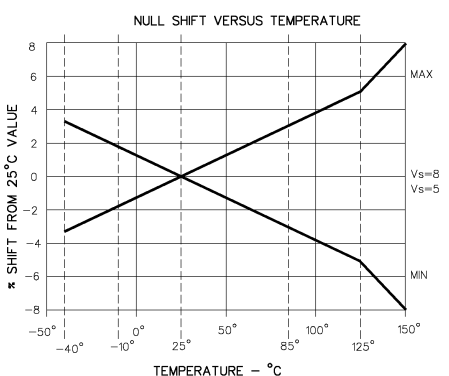
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	2.4	2.5	2.6	mV/GAUSS
NULL	$T_A = 25^{\circ}\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^{\circ}\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
OUTPUT CURRENT SINK	$V_s > 4.5$	.6mA	1.5mA		
OUTPUT CURRENT SINK	$V_s > 5.0$	1mA	1.5mA		
RESPONSE TIME			3μs		
OUTPUT VOLTAGE SWING					
VOM -	-B APPLIED	.4	.2		VOLTS
VOM +	+B APPLIED	$V_s - .4$	$V_s - .2$		VOLTS
B LIMITS FOR LINEAR OPERATION					
-B MAX		-750	-840		GAUSS
+B MAX		+750	+840		GAUSS
Vnull DRIFT	$B = 0, T_A = 25^{\circ}\text{C}$ TO $125^{\circ}\text{C}$		-0.048		% / °C
Vnull DRIFT	$B = 0, T_A = +125^{\circ}\text{C}$ TO $+150^{\circ}\text{C}$		-0.064		% / °C
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$		-0.01		% / °C
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C}$ TO $+25^{\circ}\text{C}$		0		% / °C
LINEARITY	$B = -600$ TO $+600$	0	-1.0		% OF SPAN
SUPPLY VOLTAGE	$-40^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	°C

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



ABSOLUTE MAXIMUM CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	$V_{cc}$		-0.5	11	V
OUTPUT VOLTAGE	$V_{out}$		-0.5	11	V
OUTPUT CURRENT	$I_{out}$	SOURCE OR SINK		10	mA
TEMPERATURE	$T_A$	OPERATING	-55	150	°C
	$T_s$	STORAGE ( $V_{cc}=0$ )	-55	165	°C



CAUTION  
ESD SENSITIVITY:  
CLASS 3

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PRO. WPS. 0006 01999  
MICRO SWITCH  
a Honeywell Division

MINIATURE RATIO-METRIC  
LINEAR HALL EFFECT SENSOR  
CATALOG LISTING  
SS496 SERIES CHART 1

THIRD ANGLE PROJECTION  
DO NOT SCALE PRINT  
SCALE: NONE  
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:  
ONE PLACE .010 ±.030  
TWO PLACES .001 ±.015  
THREE PLACES .0001 ±.0005  
ANGLES ±2°  
WEIGHT

DRAWING NUMBER: SS496 SERIES CHART 1  
 OF: 10  
 PAGE: 7  
 REVISED: 10/03/95  
 BY: J.A. HENSELBERG  
 CHECKED: G. G. B. DEC. 28, 1994  
 APPROVED: J.A. HENSELBERG  
 RASTER

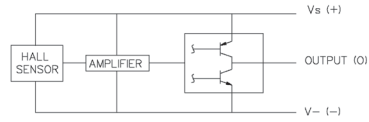
CHARACTERISTICS ARE AT  $V_s=5.00$  WITH 4.7K OUTPUT TO MINUS WITH  $T_A = -40^\circ\text{C}$  TO  $+125^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED

SS496A1

SS496 SERIES CHART 1

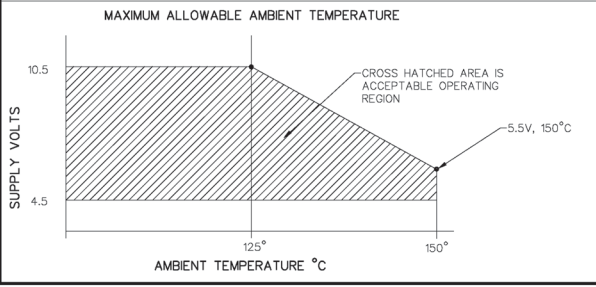
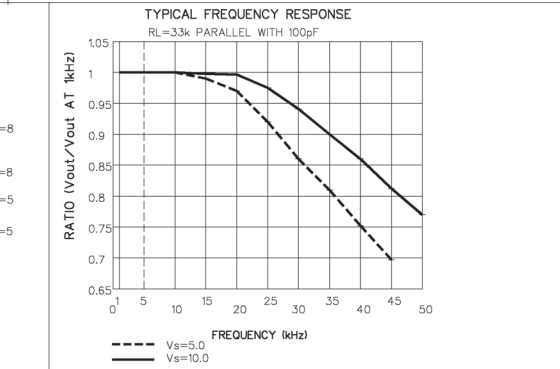
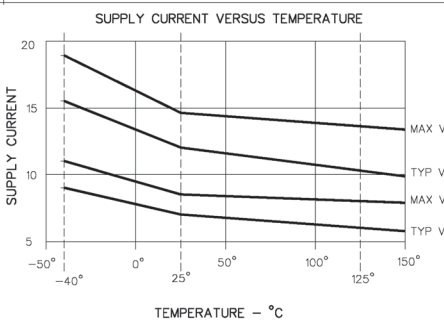
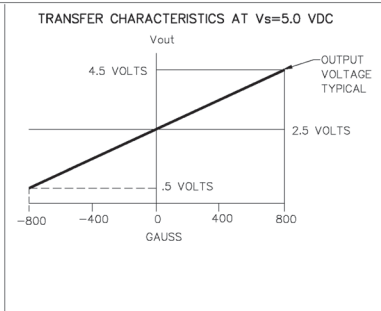
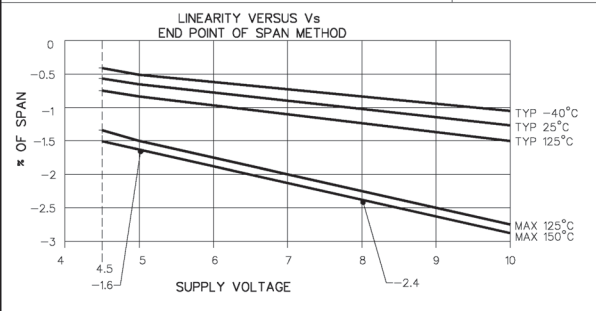
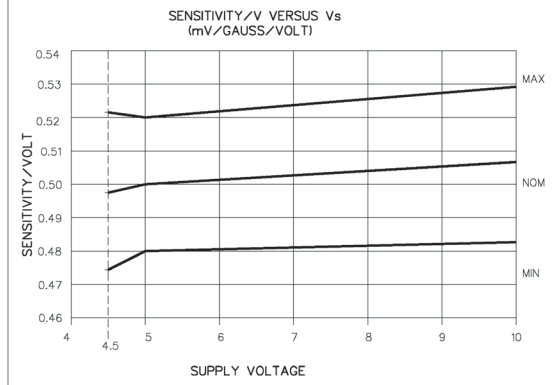
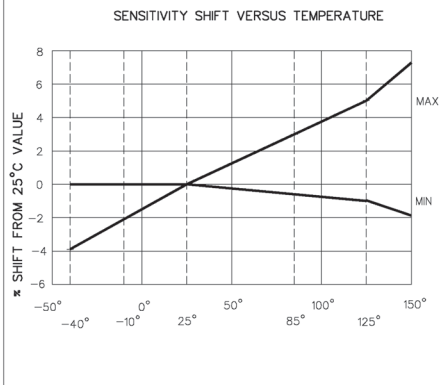
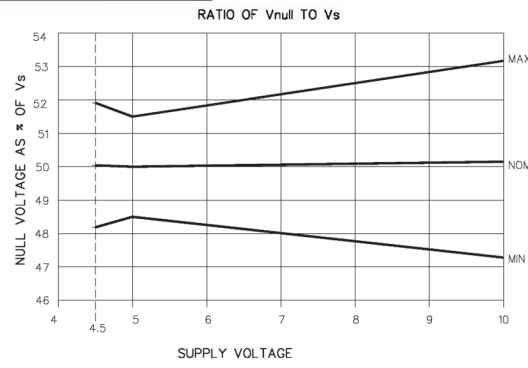
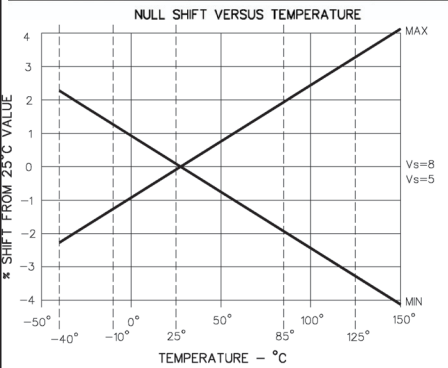
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^\circ\text{C}$	2.425	2.500	2.575	mV/GAUSS
NULL	$T_A = 25^\circ\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^\circ\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA		1.5mA	
SINK	$V_s > 4.5$	.6mA		1.5mA	
SINK	$V_s > 5.0$	1mA		1.5mA	
RESPONSE TIME				3μs	
OUTPUT VOLTAGE SWING					
VOM -	-B APPLIED	.4	.2		VOLTS
VOM +	+B APPLIED	$V_s - .4$	$V_s - .2$		VOLTS
B LIMITS FOR LINEAR OPERATION					
-B MAX		-750	-840		GAUSS
+B MAX		+750	+840		GAUSS
Vnull DRIFT	$B = 0, T_A = 25^\circ\text{ TO } 125^\circ\text{C}$			$\pm .032$	$\% / ^\circ\text{C}$
Vnull DRIFT	$B = 0, T_A = +125^\circ\text{ TO } +150^\circ\text{C}$			$\pm .064$	$\% / ^\circ\text{C}$
SENSITIVITY DRIFT	$T_A = +25^\circ\text{C TO } +125^\circ\text{C}$			$\pm .05$	$\% / ^\circ\text{C}$
SENSITIVITY DRIFT	$T_A = -40^\circ\text{C TO } +25^\circ\text{C}$			$\pm .06$	$\% / ^\circ\text{C}$
SENSITIVITY DRIFT	$T_A = +125^\circ\text{C TO } +150^\circ\text{C}$			$\pm .08$	$\% / ^\circ\text{C}$
LINEARITY	$B = -6.00 \text{ TO } +6.00$	0	-1.0	-1.5	$\% \text{ OF SPAN}$
SUPPLY VOLTAGE	$-40^\circ\text{C TO } +125^\circ\text{C}$	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	$^\circ\text{C}$

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



ABSOLUTE MAXIMUM CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	$V_{cc}$		-0.5	11	V
OUTPUT VOLTAGE	$V_{out}$		-0.5	11	V
OUTPUT CURRENT	$I_{out}$	SOURCE OR SINK		10	mA
TEMPERATURE	$T_A$	OPERATING	-55	150	$^\circ\text{C}$
	$T_s$	STORAGE ( $V_{cc}=0$ )	-55	165	$^\circ\text{C}$



REVISION NUMBER: 10  
 SS496 SERIES CHART 1  
 OF 3  
 PAGE 3  
 REVISED: 10/88  
 DESIGNED BY: J. G. BROWN  
 DRAWN BY: R. M. J. A. F. TENSEN  
 CHECKED BY: J. G. BROWN  
 APPROVED BY: J. G. BROWN  
 DATE: 10/88  
 FILE: 100796-SS

**CAUTION**  
 ESD SENSITIVITY:  
 CLASS 3  
 MASTER REDUCED  
 ANSI Y14.5M-1982 APPLIES

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 FED. WFO. CODE #1989  
**MICRO SWITCH**  
 a Honeywell Division  
 MINIATURE RATIO-METRIC  
 LINEAR HALL EFFECT SENSOR  
 CATALOG LISTING  
**SS496 SERIES CHART 1**

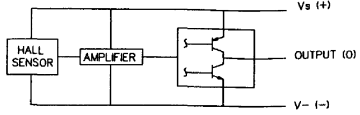
THIRD ANGLE PROJECTION  
 SCALE: NONE  
 DO NOT SCALE PRINT  
 UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:  
 ONE PLACE (L)  $\pm .030$   
 TWO PLACES (L0)  $\pm .015$   
 THREE PLACES (L00)  $\pm .005$   
 ANGLES  $\pm 2^\circ$   
 WEIGHT

CHARACTERISTICS ARE AT  $V_s=5.00$  WITH 4.7K OUTPUT TO MINUS WITH  $T_A=-40^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$  UNLESS OTHERWISE SPECIFIED

SS496B

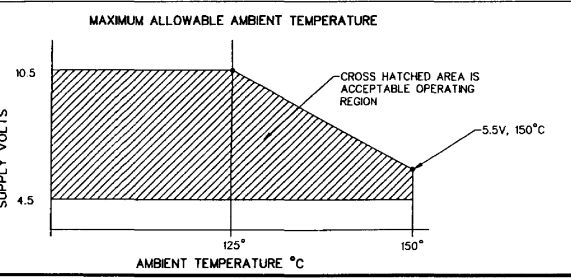
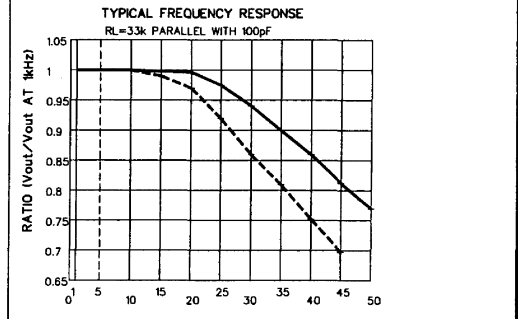
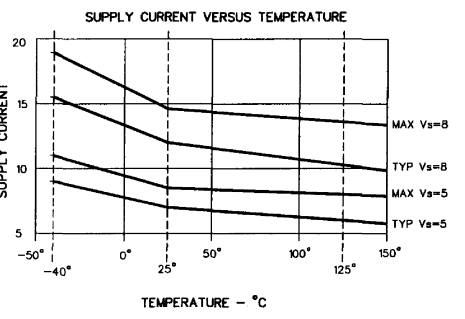
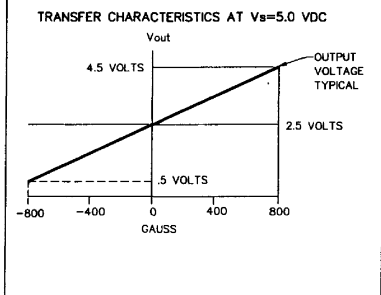
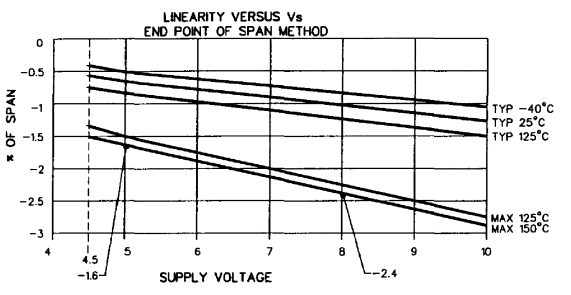
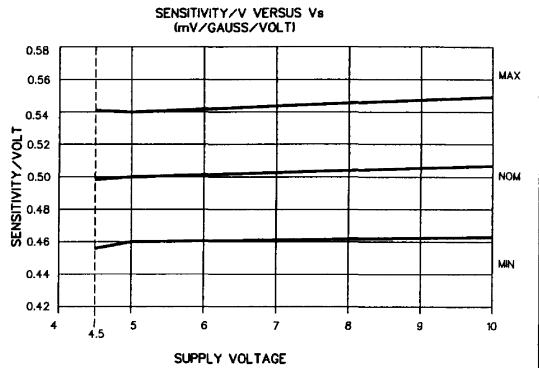
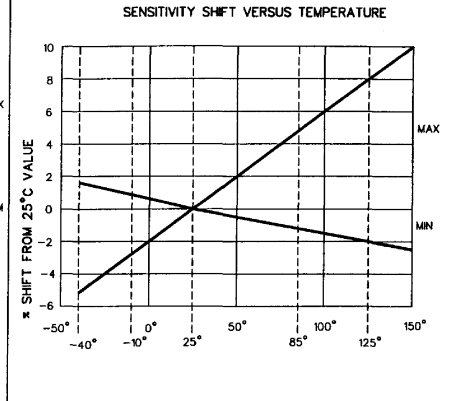
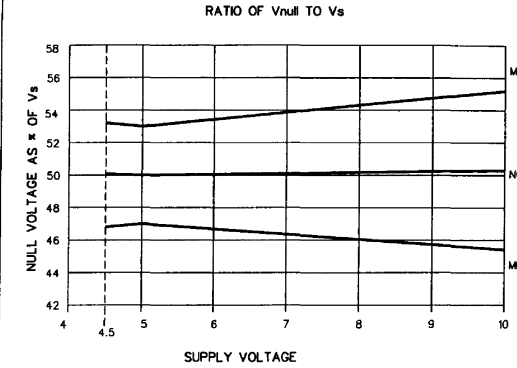
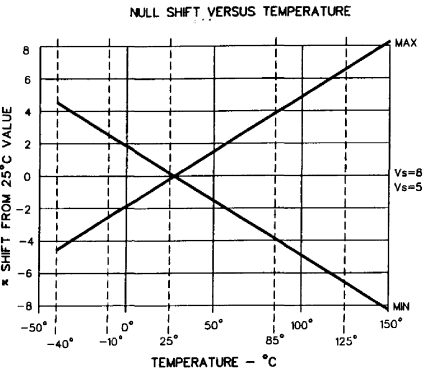
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	2.300	2.500	2.700	mV/GAUSS
	$T_A = 25^{\circ}\text{C}$	2.350	2.50	2.650	VOLTS
NULL	$T_A = 25^{\circ}\text{C}$		7	8.7	mA
SUPPLY CURRENT	$T_A = 25^{\circ}\text{C}$				
OUTPUT CURRENT	SOURCE $V_s > 4.5$	1mA	1.5mA		
	SINK $V_s > 4.5$		6mA	1.5mA	
	SINK $V_s > 5.0$		1mA	1.5mA	
RESPONSE TIME			3μS		
OUTPUT VOLTAGE SWING	VOM -	-B	-.4	-.2	VOLTS
	VOM +	+B APPLIED	$V_s - .4$	$V_s - .2$	VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-750	-840		GAUSS
	+B MAX	+750	+840		GAUSS
Vnull DRIFT	$B = 0, T_A = 25^{\circ}\text{C}$ TO $125^{\circ}\text{C}$	-0.64		+0.64	$\mu\text{V}/^{\circ}\text{C}$
Vnull DRIFT	$B = 0, T_A = +125^{\circ}\text{C}$ TO $+150^{\circ}\text{C}$	-0.64		+0.64	$\mu\text{V}/^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C}$ TO $+150^{\circ}\text{C}$	-0.02		+0.08	$\mu\text{V}/^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C}$ TO $+25^{\circ}\text{C}$	-0.02		+0.08	$\mu\text{V}/^{\circ}\text{C}$
LINEARITY	$B = -600$ TO $+600$	0	-1.0	-1.5	% OF SPAN
SUPPLY VOLTAGE	$-40^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	$^{\circ}\text{C}$

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



ABSOLUTE MAXIMUM CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	$V_{cc}$		-0.5	11	V
OUTPUT VOLTAGE	$V_{out}$		-0.5	11	V
OUTPUT CURRENT	$I_{out}$	SOURCE OR SINK		10	mA
TEMPERATURE	$T_A$	OPERATING	-55	150	$^{\circ}\text{C}$
		STORAGE ( $V_{cc}=0$ )	-55	165	$^{\circ}\text{C}$



MICRO SWITCH  
 SS496 SERIES CHART 1  
 PAGE 4 OF 4  
 MODEL: SS496B  
 JAN. 1969  
 HONEYWELL DIVISION  
 MILWAUKEE, WIS. 53091  
 U.S.A.



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PRO. NFD. CODE 9140

**MICRO SWITCH**  
Honeywell Division

MINIATURE RATIO-METRIC  
SS496 SERIES CHART 1  
LINEAR HALL EFFECT SENSOR

CATALOG LISTING

THIRD ANGLE PROJECTION

SCALE: NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

ONE PLACE	(0)	±0.30
TWO PLACES	(00)	±0.15
THREE PLACES	(000)	±0.05
ANGLES		±2'

WEIGHT

MASTER REDUCED  
ANSI Y14.5M-1982 APPLIES



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

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