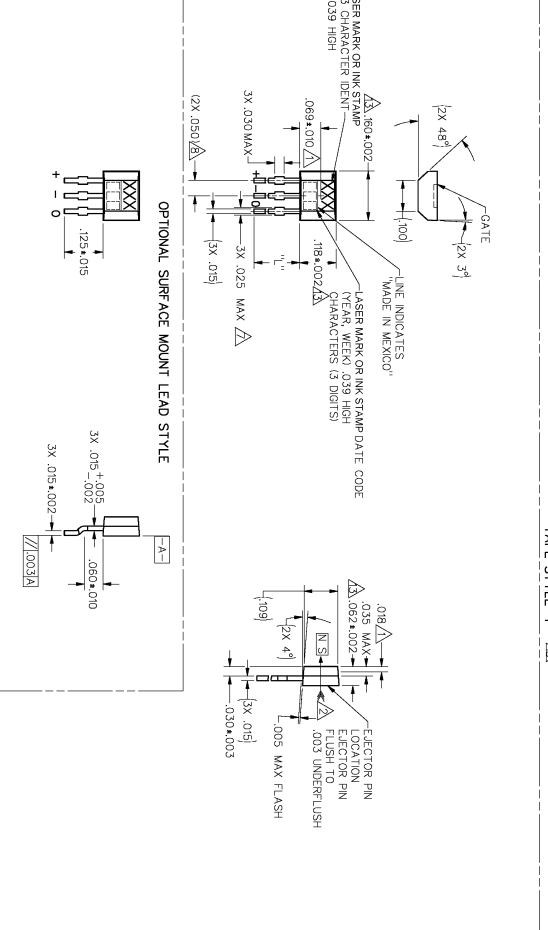
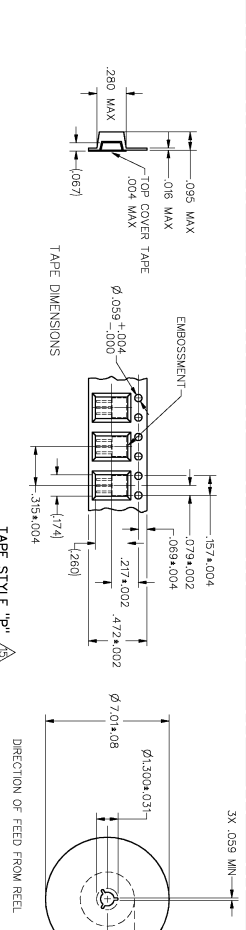
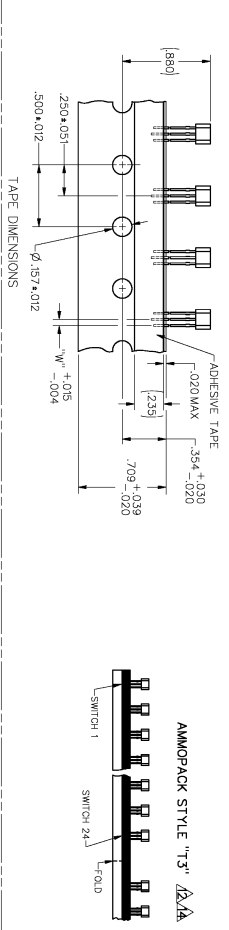
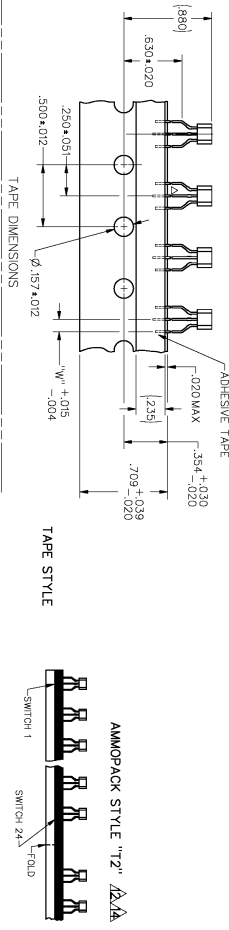


TAPE PACKING OPTIONS



- NOTES
- 1 - CENTERLINE OF HALL CELL
 - 2 - DIMENSION "L" IS IN THE DIRECTION SHOWN. THIS ASSURES THE POSITIONING 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 - RADIOMETRIC SUPPORTED DURING ANY FORMING/SHEERING OPERATION TO
 - 5 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 6 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
 - 6.1 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 6.2 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 7 - BARRS ARE ALLOWED ONLY IF FULL LENGTH OF LEADS WILL PASS THROUGH $\phi 0.23$ HOLE.
 - 8 - DIMENSION "L" IS THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 9 - ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THE DEVICE WILL MOMENTARILY WITHSTAND WITHOUT DAMAGE TO THE DEVICE. ELECTRICAL AND MAGNETIC CHARACTERISTICS THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS
 - 10 - APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION 24 SWITCHES BETWEEN FOLDS, SWP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "AN FOLD"
 - 11 - DIMENSION "L" IS THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 12 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 13 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 14 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 15 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
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 - 20 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 21 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 22 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 23 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC
 - 24 - ABSOLUTE MAXIMUM LEAD LENGTHS ARE NOT STRESSED WITHIN THE ELASTIC

CATALOG LISTING	TAPE STYLE	DIM "L"	DIM "W"	COMMENTS
SS496A	NONE	.590	.050	BULK-1000/BAG
SS496B	T2	.590	.100	500/BOX
SS496C	T3	.590	.100	500/BOX
SS496D	T4	.590	.100	500/BOX
SS496E	S	.125	.050	BULK-1000/BAG
SS496F	P	.125	.050	1000/PACKET TAPE AND REEL
SS496G	NONE	.590	.050	BULK-1000/BAG
SS496H	T2	.590	.100	500/BOX
SS496I	T3	.590	.100	500/BOX
SS496J	T4	.590	.100	500/BOX
SS496K	S	.125	.050	BULK-1000/BAG
SS496L	P	.125	.050	1000/PACKET TAPE AND REEL
SS496M	NONE	.590	.050	BULK-1000/BAG
SS496N	T2	.590	.100	500/BOX
SS496O	T3	.590	.100	500/BOX
SS496P	T4	.590	.100	500/BOX
SS496Q	S	.125	.050	BULK-1000/BAG
SS496R	P	.125	.050	1000/PACKET TAPE AND REEL

ESD SENSITIVITY
 HUMAN BODY MODEL (HBM) 1000V
 MACHINE MODEL (MM) 100V
 CHARGES DISCHARGE TIME (CD) 100PS

THIS DRAWING CONFORMS TO THE REQUIREMENTS OF MIL-STD-883C METHOD 2000, TEST METHOD 2000.1, WHICH IS A SUPPLEMENT TO MIL-STD-883C. THIS DRAWING IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF MORGAN ELECTRONICS, INC. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

ANSI Y14.5M-1987 APPLIES

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SCALE: 5:1

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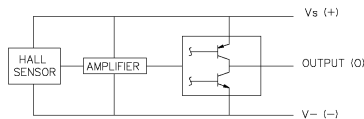
CHARACTERISTICS ARE AT $V_s=5.00$ WITH 4.7K OUTPUT TO MINUS WITH $T_A = -40^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$ UNLESS OTHERWISE SPECIFIED

SS496A

SS496 SERIES CHART 1

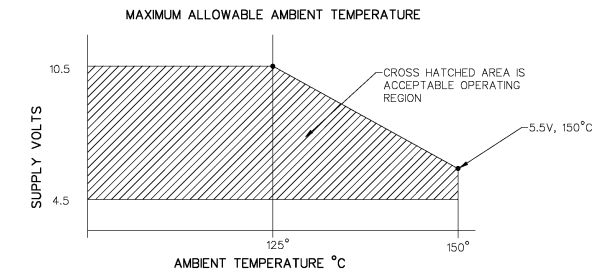
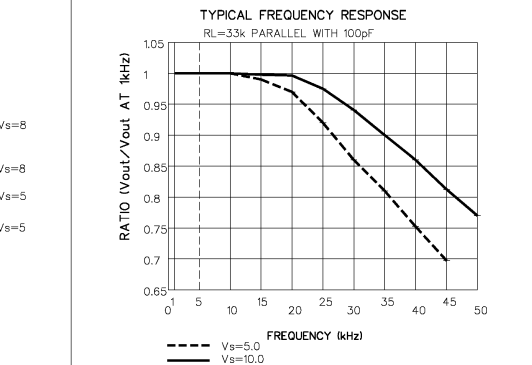
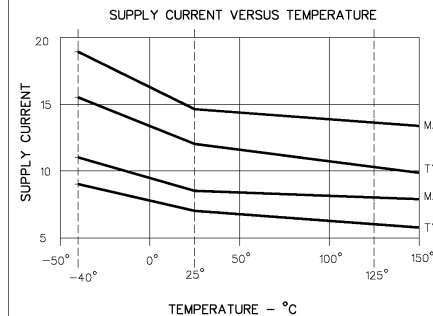
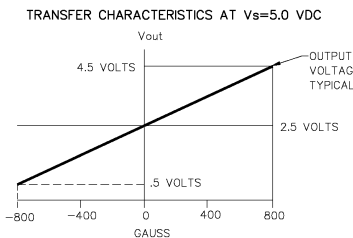
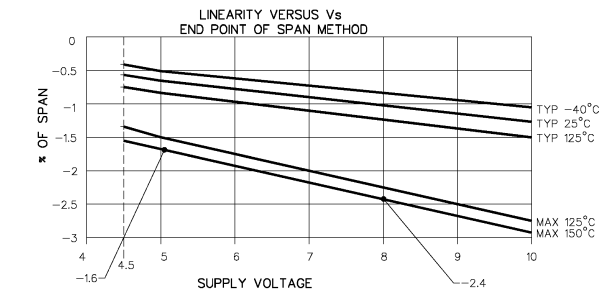
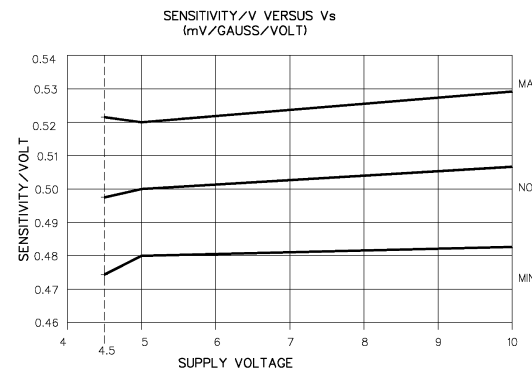
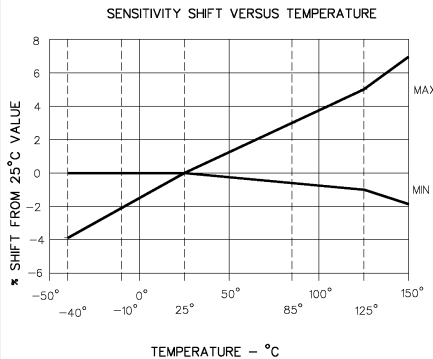
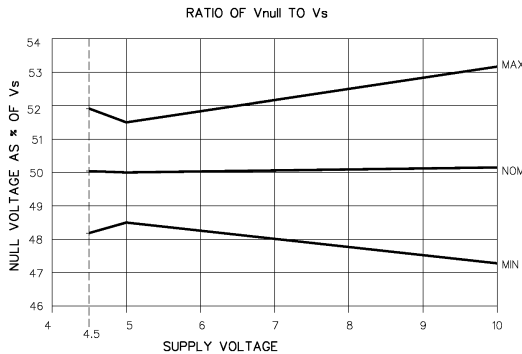
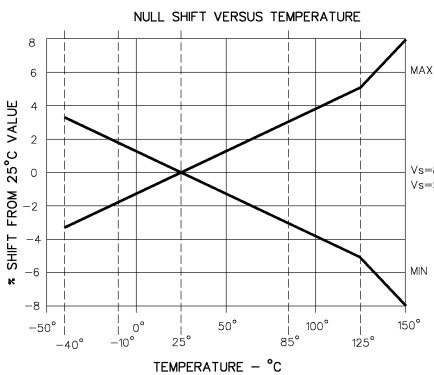
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	2.4	2.5	2.6	mV/GAUSS
NULL	$T_A = 25^{\circ}\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^{\circ}\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
OUTPUT CURRENT SINK	$V_s > 4.5$.6mA	1.5mA		
OUTPUT 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°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 $+600$		-1.0		% OF SPAN
SUPPLY VOLTAGE	-40°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



MINIATURE RATIO-METRIC LINEAR HALL EFFECT SENSOR

THIRD ANGLE PROJECTION	
DO NOT SCALE PRINT	
SCALE NONE	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	101 ±.030
TWO PLACES	1001 ±.015
THREE PLACES	10001 ±.005
ANGLES	±2°
WEIGHT	

MASTER REDUCED ANSI Y14.5M-1982 APPLIES

CATALOG LISTING

SS496 SERIES CHART 1

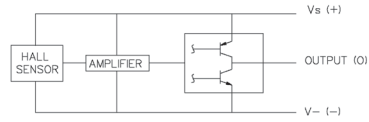
CHARACTERISTICS ARE AT $V_s=5.00$ WITH 4.7K OUTPUT TO MINUS WITH $T_A = -40^\circ\text{C}$ TO $+125^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED

SS496A1

SS496 SERIES CHART 1

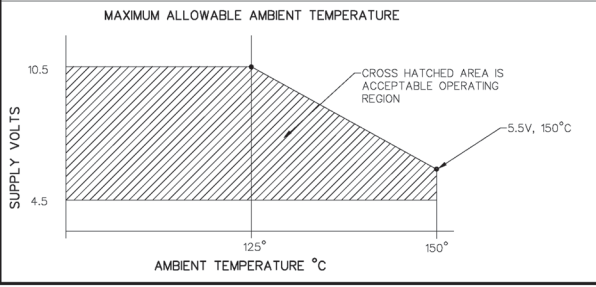
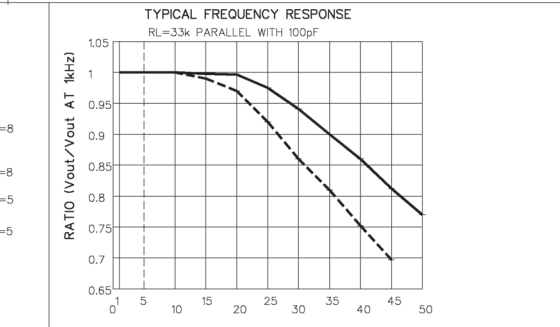
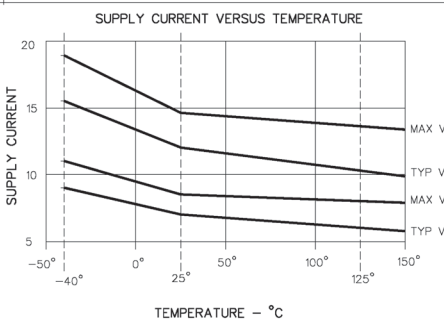
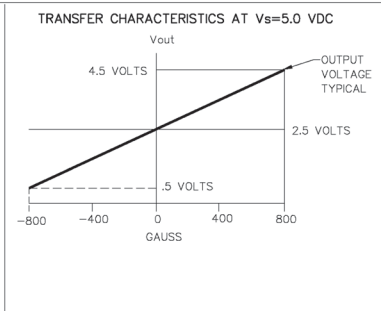
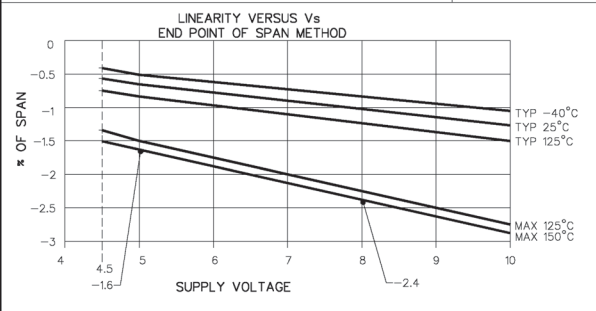
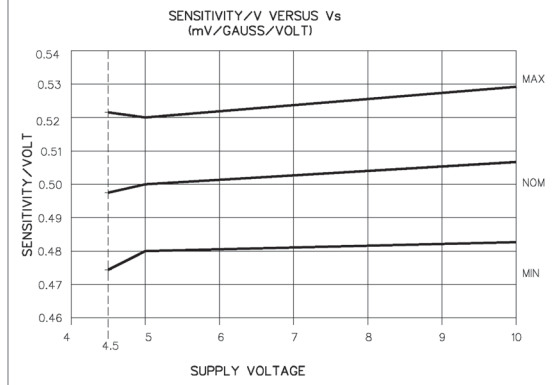
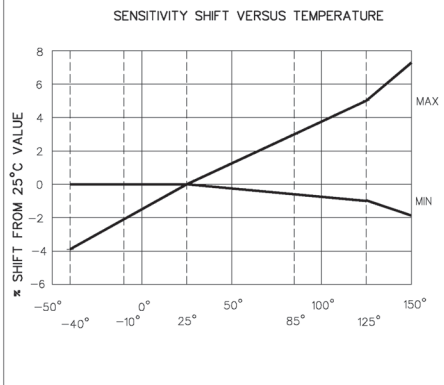
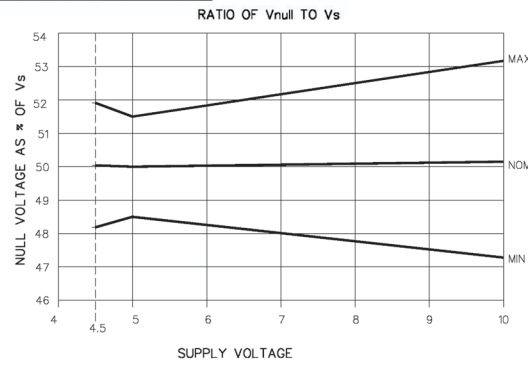
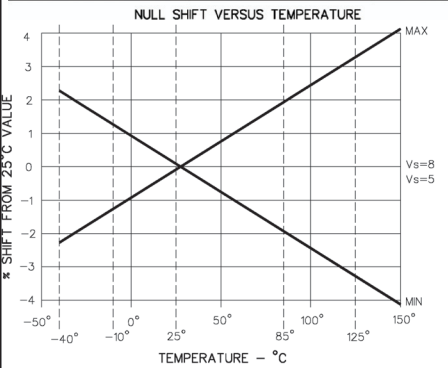
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^\circ\text{C}$	2.425	2.500	2.575	mV/GAUSS
NULL	$T_A = 25^\circ\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^\circ\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA		1.5mA	
SINK	$V_s > 4.5$.6mA		1.5mA	
SINK	$V_s > 5.0$	1mA		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	$^\circ\text{C}$



CAUTION
ESD SENSITIVITY:
CLASS 3

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ANSI Y14.5M-1982 APPLIES

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

THIRD ANGLE PROJECTION
SCALE: NONE
DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
ONE PLACE (L0) ±.030
TWO PLACES (L00) ±.015
THREE PLACES (L000) ±.005
ANGLES ±2°
WEIGHT

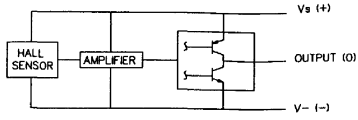
REVISION NUMBER: 10
 DRAWING NUMBER: SS496 SERIES CHART 1
 DATE: 10/10/82
 DRAWN BY: J.A.F. / REVISED BY: J.A.F. / CHECKED BY: J.A.F. / APPROVED BY: J.A.F.
 PART NUMBER: SS496A1
 QUANTITY: 10000
 UNIT: PERCENTAGE
 TOLERANCE: ±.010
 FINISH: NONE
 MATERIAL: NONE
 WEIGHT: NONE
 PART NUMBER: SS496A1
 QUANTITY: 10000
 UNIT: PERCENTAGE
 TOLERANCE: ±.010
 FINISH: NONE
 MATERIAL: NONE
 WEIGHT: NONE

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

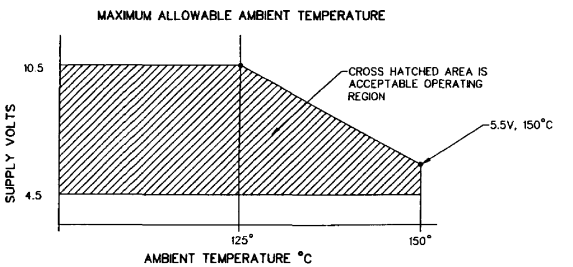
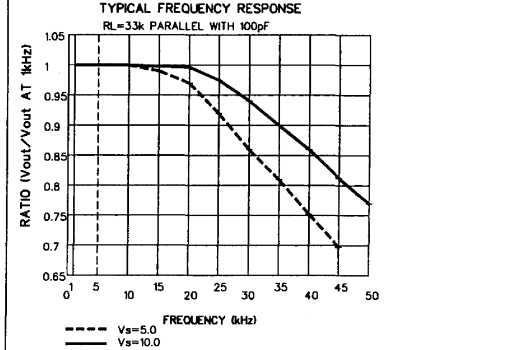
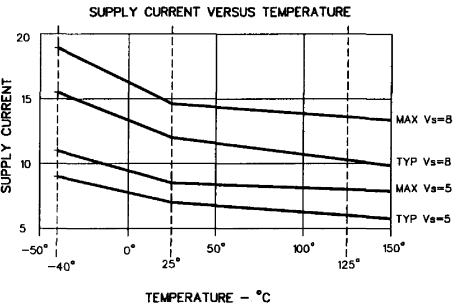
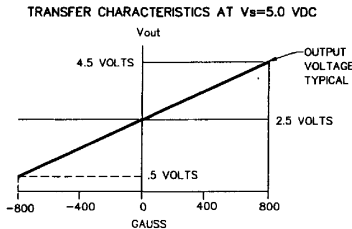
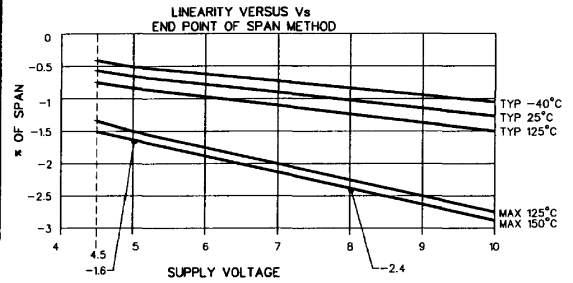
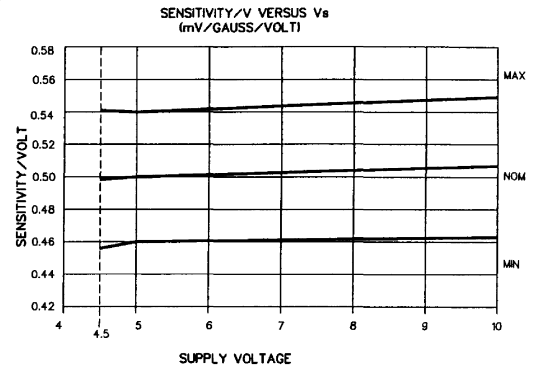
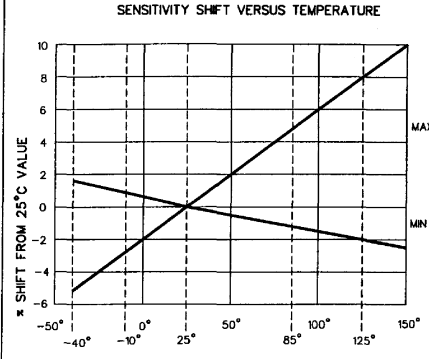
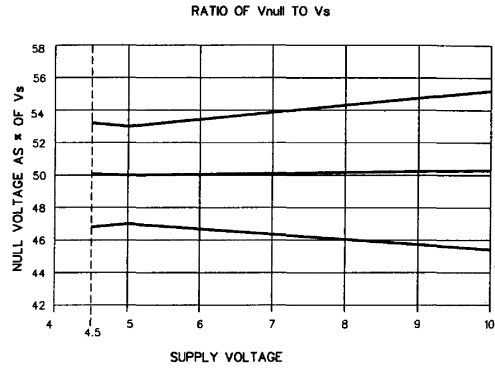
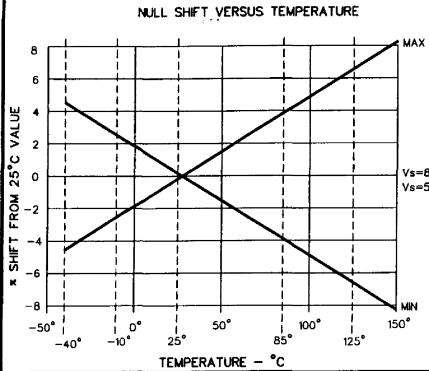
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	2.300	2.500	2.700	mV/GAUSS
NULL	$T_A = 25^{\circ}\text{C}$	2.350	2.50	2.650	VOLTS
SUPPLY CURRENT	$T_A = 25^{\circ}\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
SINK	$V_s > 4.5$	6mA	1.5mA		
SINK	$V_s > 5.0$	1mA	1.5mA		
RESPONSE TIME			3 μs		
OUTPUT VOLTAGE SWING					
VOM +	-B APPLIED	.4	.2		VOLTS
VOM -	+B APPLIED	$V_s - .4$	$V_s - .2$		VOLTS
B LIMITS FOR LINEAR OPERATION					GAUSS
-B MAX		-750	-840		
+B MAX		+750	+840		
V _{NULL} DRIFT	$B = 0, T_A = 25^{\circ}\text{ TO } 125^{\circ}\text{C}$	-0.64		+0.64	mV/ $^{\circ}\text{C}$
V _{NULL} DRIFT	$B = 0, T_A = +125^{\circ}\text{ TO } +150^{\circ}\text{C}$	-0.64		+0.64	mV/ $^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C TO } +150^{\circ}\text{C}$	-0.02		+0.08	mV/ $^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C TO } +25^{\circ}\text{C}$	-0.02		+0.08	mV/ $^{\circ}\text{C}$
LINEARITY	$B = -600 \text{ TO } +600$	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	$^{\circ}\text{C}$
	T_s	STORAGE ($V_{CC}=0$)	-55	165	$^{\circ}\text{C}$



MASTER REDUCED EDITION
ANSI Y14.5M-1982 APPLIES



MINIATURE RATIOMETRIC

SS496 SERIES CHART 1

LINEAR HALL EFFECT SENSOR

THIRD ANGLE PROJECTION	
SCALE	NONE
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(0) ± 0.030
TWO PLACES	(00) ± 0.015
THREE PLACES	(000) ± 0.005
ANGLES	$\pm 2^{\circ}$
WEIGHT	



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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.