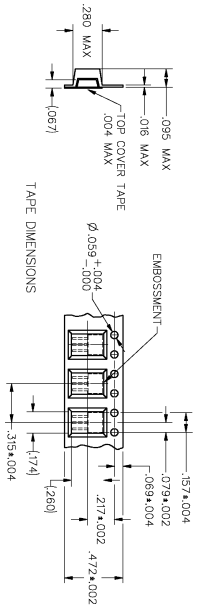
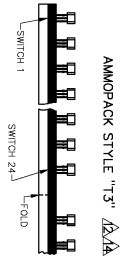
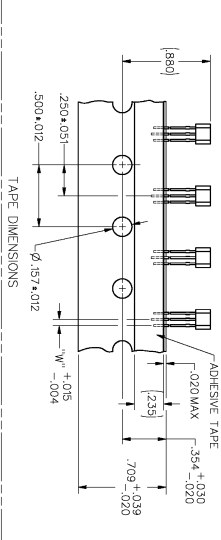
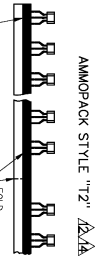
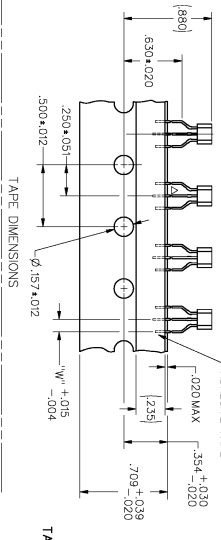
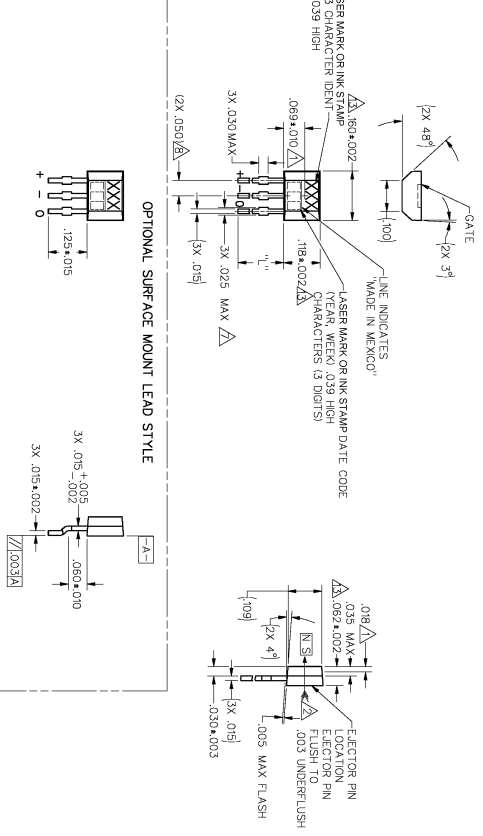


TAPE PACKING OPTIONS



TAPE STYLE "12"

DIRECTION OF FEED FROM REEL



- NOTES
- ENTERLINE OF HALL CELL
 - THE DIRECTION OF FEED IS IN THE DIRECTION SHOWN (THIS ASSURES 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 - RAILMETERIC SUPPORTED DURING ANY FORMING/SHEERING OPERATION TO THE SOUTH POLE OF THE MAGNET
 - 5 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
 - ASSURE THAT THE LEADS ARE NOT STRESSED WITHIN THE PLASTIC
 - 250°C PEAK FOR 10 S MAX OR 260°C PEAK FOR 5 S MAX
 - BURRS ARE ALLOWED ONLY IF FULL LENGTH OF LEADS WILL PASS THROUGH Ø.023 HOLE.
 - 6 - 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 - LEAD STRAIGHTNESS MAY BE DETERIORATED ON SOME UNITS BY BULK PACKAGING. APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION 24 SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "AN FOLD"
 - 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 REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 11 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 12 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 13 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 14 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 15 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 16 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 17 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 18 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 19 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 20 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 21 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 22 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 23 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
 - 24 - SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "AN FOLD"
 - 25 - LIMITED TO .005 MAXIMUM
 - 26 - TAPE AND AMMOPACK PER EIA-468
 - 27 - POCKET TAPE PER EIA-461

CATALOG LISTING	TAPE STYLE	DM "L"	DM "W"	DM "H"	COMMENTS
SS496A-1	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T2	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T3	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T4	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T5	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T6	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T7	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T8	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T9	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T10	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T11	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T12	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T13	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T14	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T15	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T16	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T17	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T18	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T19	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T20	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T21	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T22	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T23	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T24	NONE	.590	.050	.004	BULK-1000/BAG
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SS496A-1-T73	NONE	.590	.050	.004	BULK-1000/BAG
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SS496A-1-T75	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T76	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T77	NONE	.590	.050	.004	BULK-1000/BAG
SS496A-1-T78	NONE	.590	.050	.004	BULK-1000/BAG
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ESD SENSITIVITY

ESD SENSITIVITY

ESD SENSITIVITY

MINIATURE RAILMETERIC

MINIATURE RAILMETERIC

MINIATURE RAILMETERIC

SS496 SERIES CHART 1

SS496 SERIES CHART 1

SS496 SERIES CHART 1

SCALE 5:1

SCALE 5:1

SCALE 5:1

ONE PLACE

ONE PLACE

ONE PLACE

THREE PLACES

THREE PLACES

THREE PLACES

ANGLES

ANGLES

ANGLES

±.2°

±.2°

±.2°

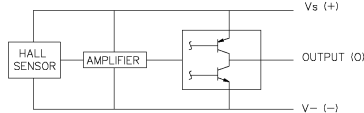
CHARACTERISTICS ARE AT $V_s=5.00$ WITH 4.7K OUTPUT TO MINUS WITH $T_A = -40^\circ\text{C}$ TO $+125^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED

SS496A

SS496 SERIES CHART 1

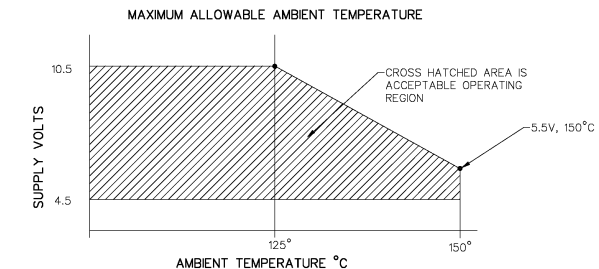
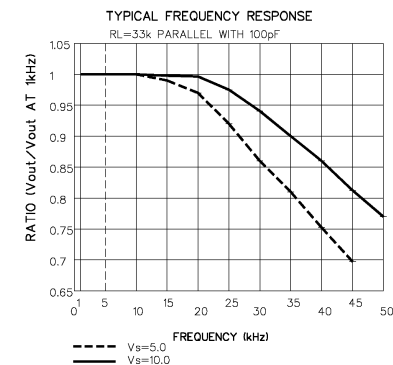
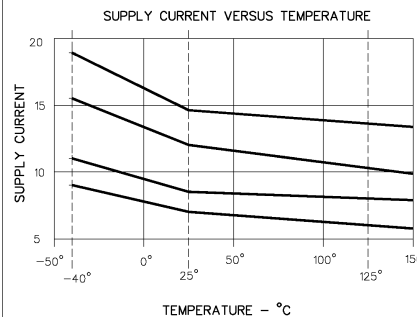
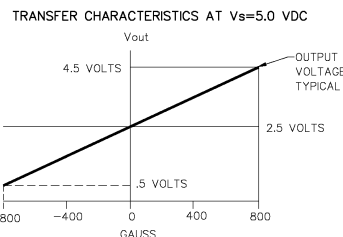
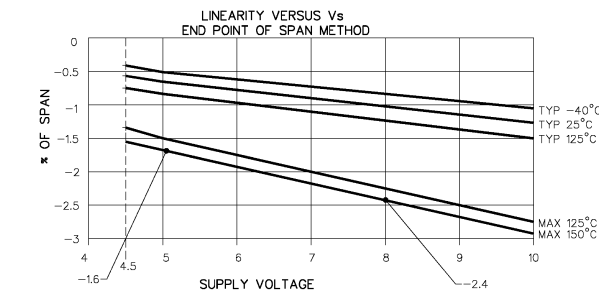
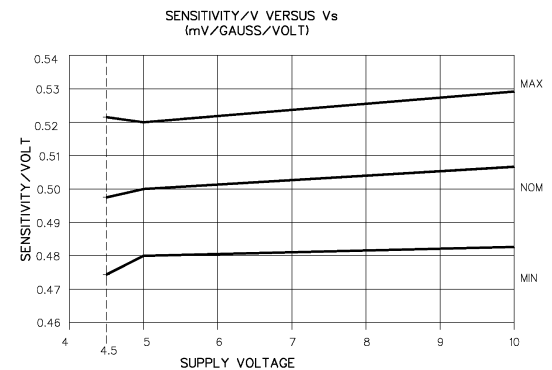
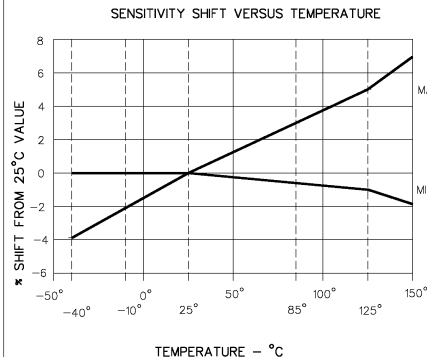
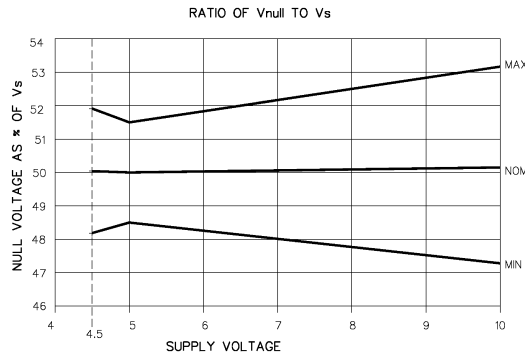
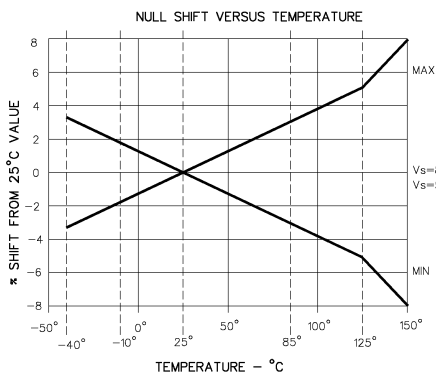
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^\circ\text{C}$	2.4	2.5	2.6	mV/GAUSS
NULL	$T_A = 25^\circ\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^\circ\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
SINK	$V_s > 4.5$	.6mA	1.5mA		
SINK	$V_s > 5.0$	1mA	1.5mA		
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	$B = 0, T_A = 25^\circ\text{C}$ TO 125°C	- .048			% / °C
Vnull DRIFT	$B = 0, T_A = +125^\circ\text{C}$ TO $+150^\circ\text{C}$	- .064			% / °C
SENSITIVITY DRIFT	$T_A = +25^\circ\text{C}$ TO $+125^\circ\text{C}$	- .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°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



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 PCD: WPS: 0000 01020
MICRO SWITCH
 a Honeywell Division

MINIATURE RATIOMETRIC
 LINEAR HALL EFFECT SENSOR

SS496 SERIES CHART 1

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

MASTER REDUCED
 ANSI Y14.5M-1982 APPLIES

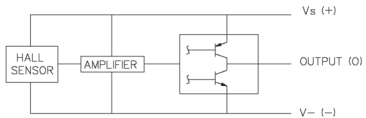
CHARACTERISTICS ARE AT $V_s=5.00$ WITH 4.7K OUTPUT TO MINUS WITH $T_A=-40^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$ UNLESS OTHERWISE SPECIFIED

SS496A1

SS496 SERIES CHART 1

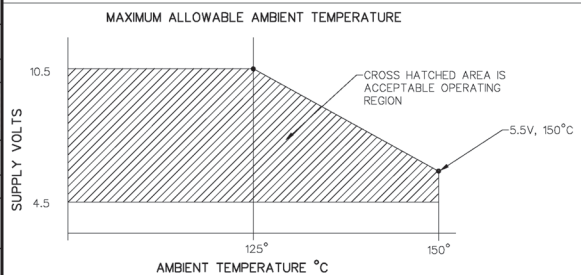
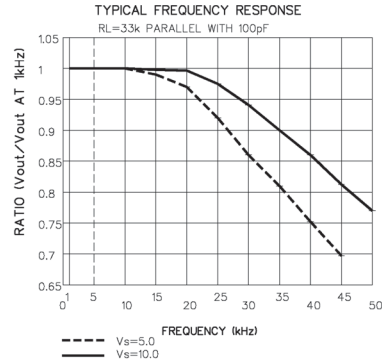
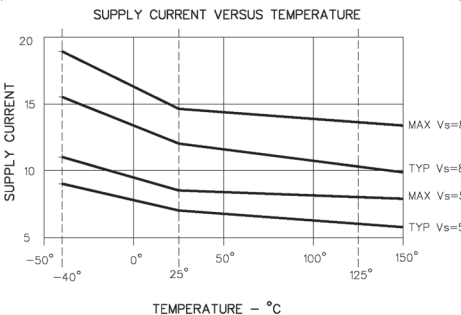
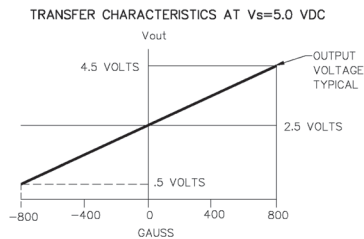
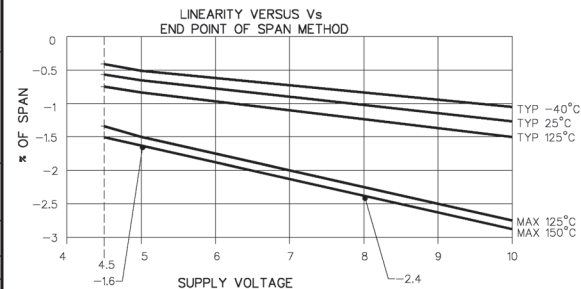
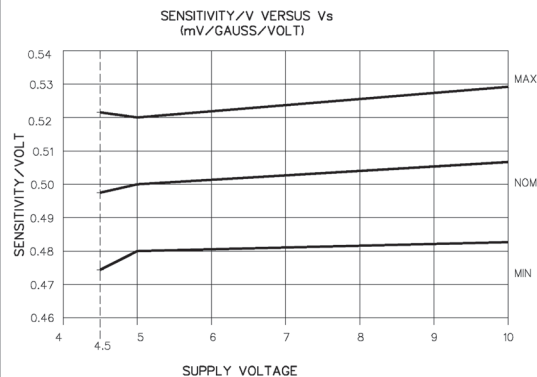
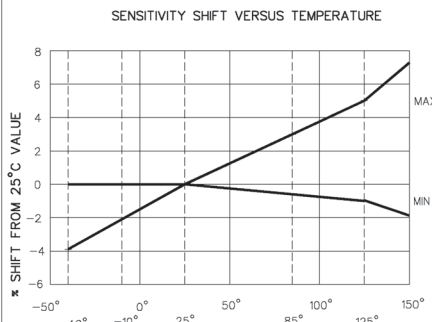
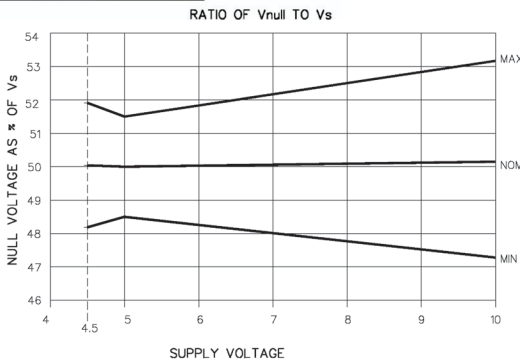
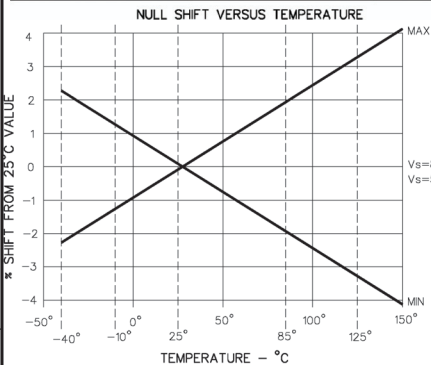
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	2.425	2.500	2.575	mV/GAUSS
NULL	$T_A = 25^{\circ}\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^{\circ}\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
SINK	$V_s > 4.5$	.6mA	1.5mA		
SINK	$V_s > 5.0$	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	$B = 0, T_A = 25^{\circ}\text{C TO } 125^{\circ}\text{C}$	-.032		+.032	% / °C
Vnull DRIFT	$B = 0, T_A = +125^{\circ}\text{C TO } +150^{\circ}\text{C}$	-.064		+.064	% / °C
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C TO } +125^{\circ}\text{C}$	-.01		+.05	% / °C
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C TO } +25^{\circ}\text{C}$	0		+.06	% / °C
SENSITIVITY DRIFT	$T_A = +125^{\circ}\text{C TO } +150^{\circ}\text{C}$	-.04		+.08	% / °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	°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



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QTD: WPS: CODE 91009

MICRO SWITCH

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 (L01)	±.030
TWO PLACES (L001)	±.015
THREE PLACES (L0001)	±.005
ANGLES	±2°
WEIGHT	

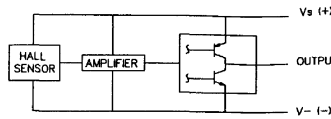
CHARACTERISTICS ARE AT $V_s=5.00$ WITH 4.7K OUTPUT TO MINUS WITH $T_A=-40^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$ UNLESS OTHERWISE SPECIFIED

SS496B

SS496 SERIES CHART 1

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 μ S		
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	$B = 0, T_A = 25^{\circ}\text{C TO } 125^{\circ}\text{C}$	-0.64		+0.64	$\times / ^{\circ}\text{C}$
Vnull DRIFT	$B = 0, T_A = +125^{\circ}\text{C TO } +150^{\circ}\text{C}$	-0.64		+0.64	$\times / ^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C TO } +150^{\circ}\text{C}$	-0.02		+0.08	$\times / ^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C TO } +25^{\circ}\text{C}$	-0.02		+0.08	$\times / ^{\circ}\text{C}$
LINEARITY	$B = -600 \text{ TO } +600$	0	-1.0	-1.5	$\times \text{ OF SPAN}$
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	$^{\circ}\text{C}$

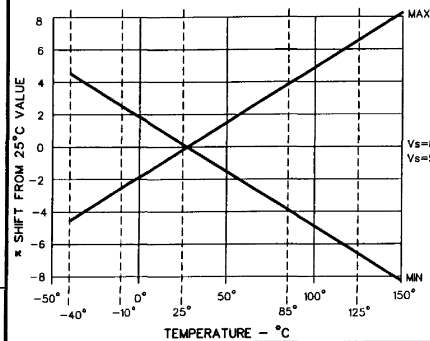
BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



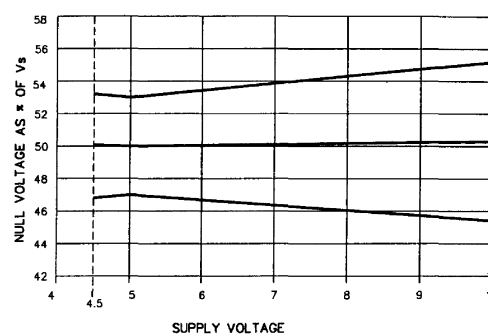
ABSOLUTE MAXIMUM CHARACTERISTICS

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	$^{\circ}\text{C}$

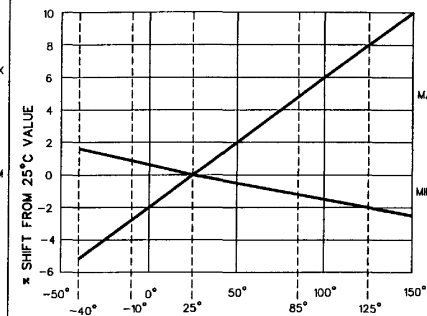
NULL SHIFT VERSUS TEMPERATURE



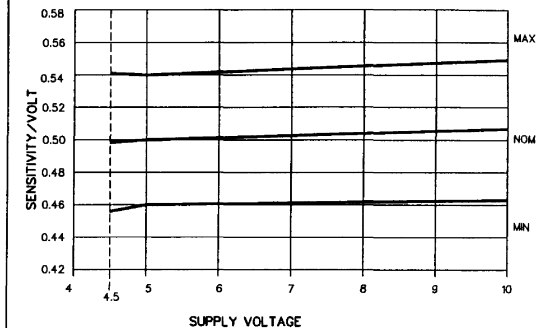
RATIO OF V_{null} TO V_s



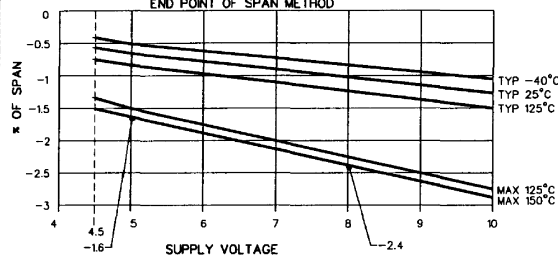
SENSITIVITY SHIFT VERSUS TEMPERATURE



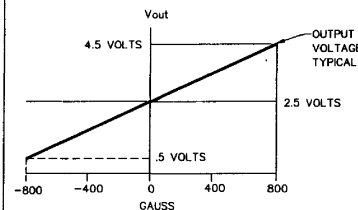
SENSITIVITY/V VERSUS V_s
(mV/GAUSS/VOLT)



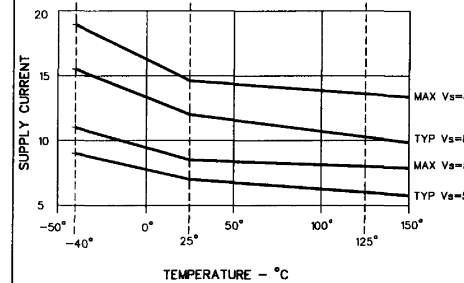
LINEARITY VERSUS V_s
END POINT OF SPAN METHOD



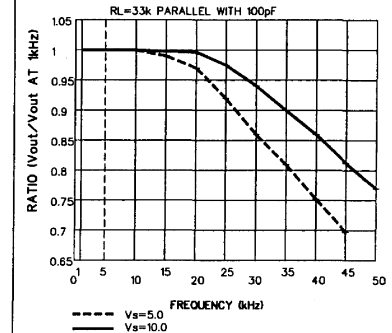
TRANSFER CHARACTERISTICS AT $V_s=5.0$ VDC



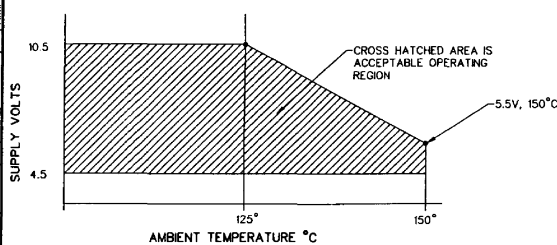
SUPPLY CURRENT VERSUS TEMPERATURE



TYPICAL FREQUENCY RESPONSE



MAXIMUM ALLOWABLE AMBIENT TEMPERATURE



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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	(0) ± 0.030
TWO PLACES	0.001 ± 0.015
THREE PLACES	0.0001 ± 0.005
ANGLES	$\pm 2^{\circ}$
HEIGHT	