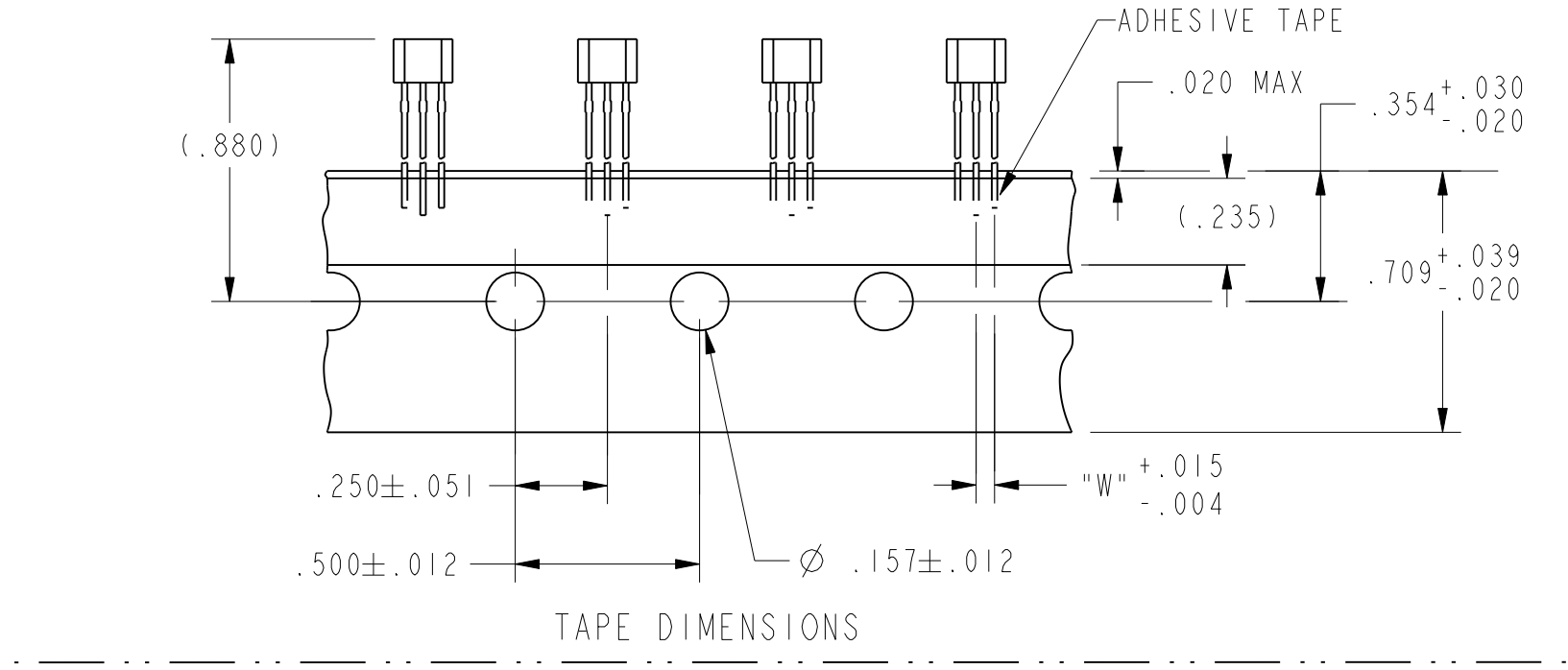
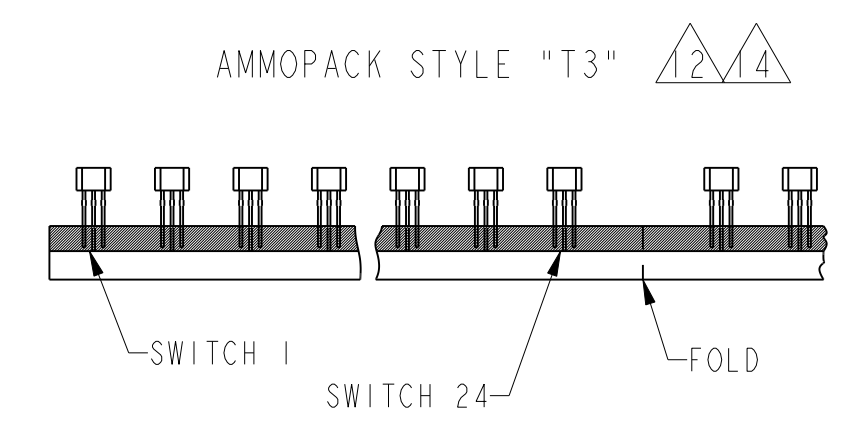
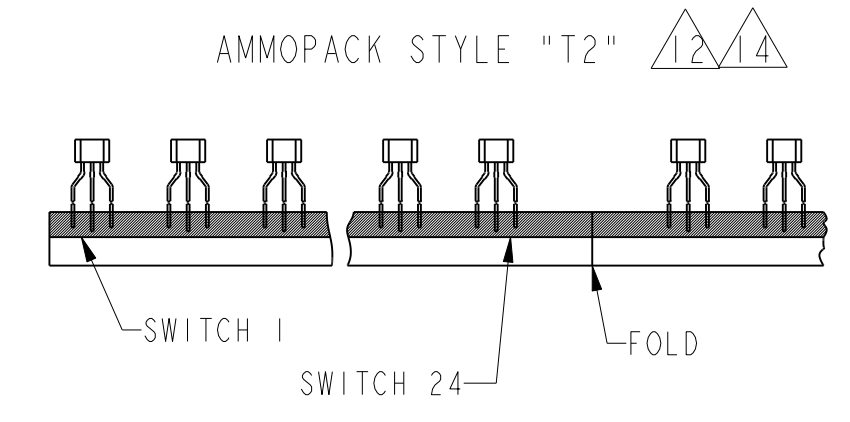


TAPE PACKING OPTIONS

TAPE STYLE

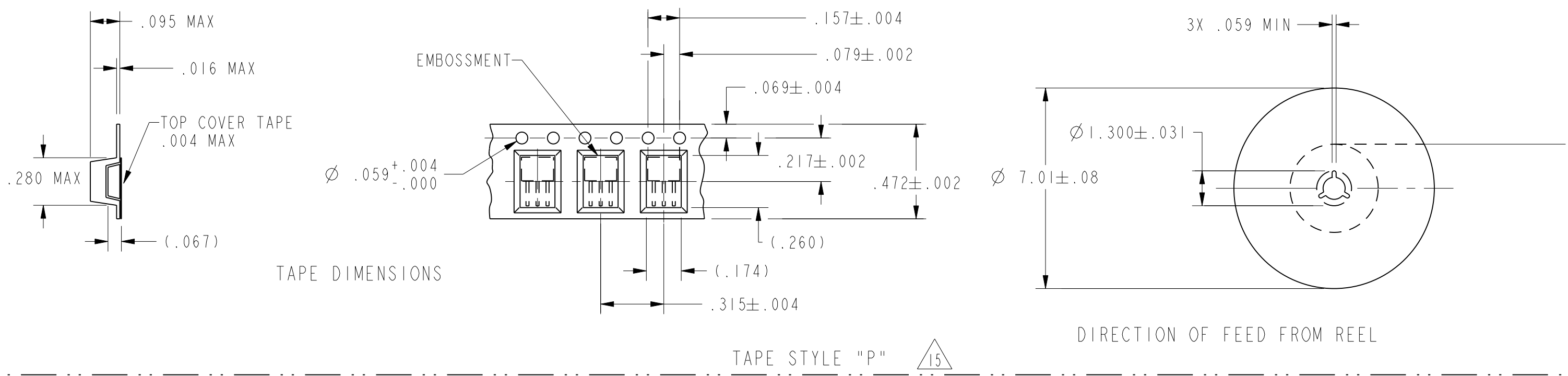


TAPE DIMENSIONS

TAPE DIMENSIONS

NOTES

- 1 CENTERLINE OF HALL CELL
- 2 THE + MAGNETIC FLUX IS IN THE DIRECTION SHOWN (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 - LEADS MUST BE ADEQUATELY SUPPORTED DURING ANY FORMING/SHEERING OPERATION TO ASSURE THAT THE LEADS ARE NOT STRESSED WITHIN THE PLASTIC
- 6 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:  
250°C PEAK FOR 10 S MAX OR 260°C PEAK FOR 5 S MAX.
- 7 BURRS ARE ALLOWED ONLY IF FULL LENGTH OF LEADS WILL PASS THROUGH ∅ .023 HOLE.
- 8 LEAD REFERENCE DIMENSIONS DO NOT INCLUDE SOLDER THICKNESS
- 9 DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
- 10 - SOME COMBINATIONS OF BASIC LISTING AND PACKAGE OPTIONS MAY NOT BE AVAILABLE
- 11 ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THE DEVICE WILL MOMENTARILY WITHSTAND WITHOUT DAMAGE TO THE DEVICE. ELECTRICAL AND MAGNETIC CHARACTERISTICS ARE NOT GUARANTEED IF THE RATED VOLTAGE AND/OR CURRENTS ARE EXCEEDED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS
- 12 LEAD STRAIGHTNESS MAY BE DETERIORATED ON SOME UNITS BY BULK PACKAGING. APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION
- 13 AMMOPACK STYLE "T2" & "T3": 24 SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "FAN FOLD"
- 14 MOLDED PART DIMENSIONS DO NOT INCLUDE FLASH. FLASH IS LIMITED TO .005 MAX
- 15 TAPE AND AMMOPACK PER EIA-468
- 16 POCKET TAPE PER EIA-481

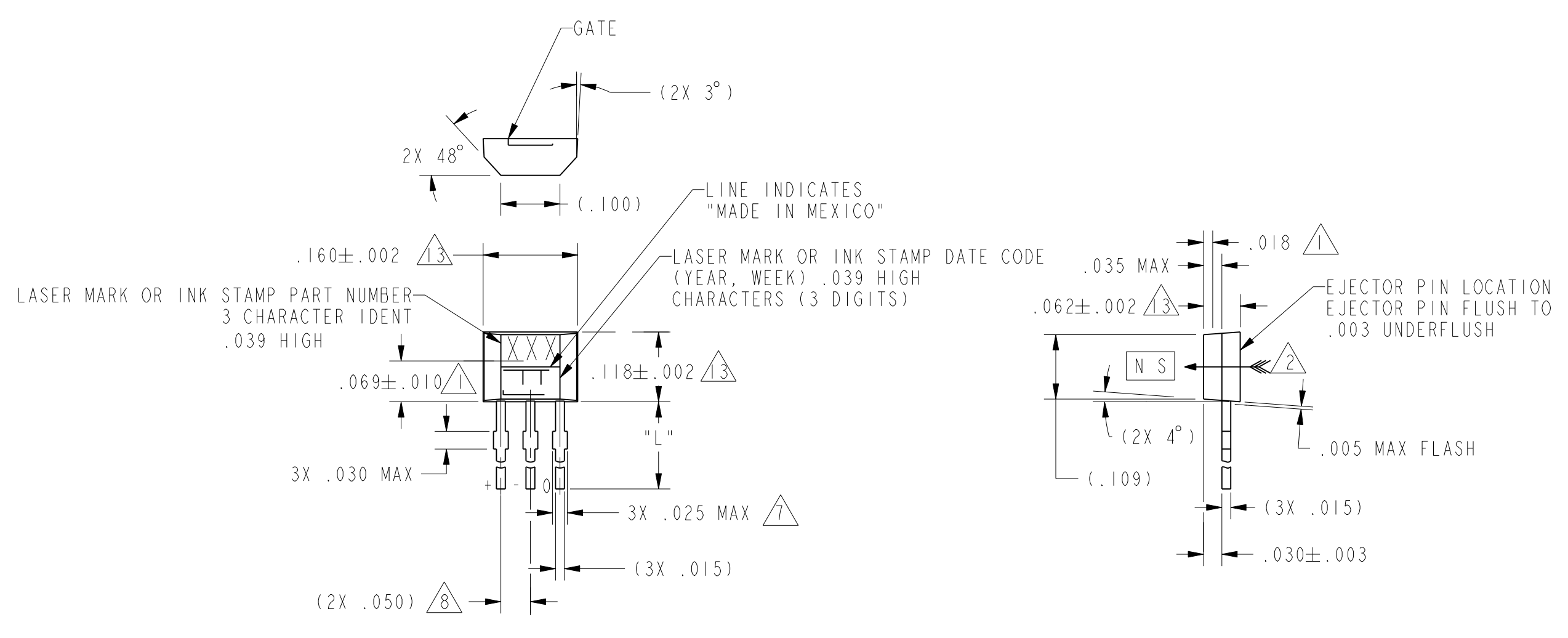


TAPE DIMENSIONS

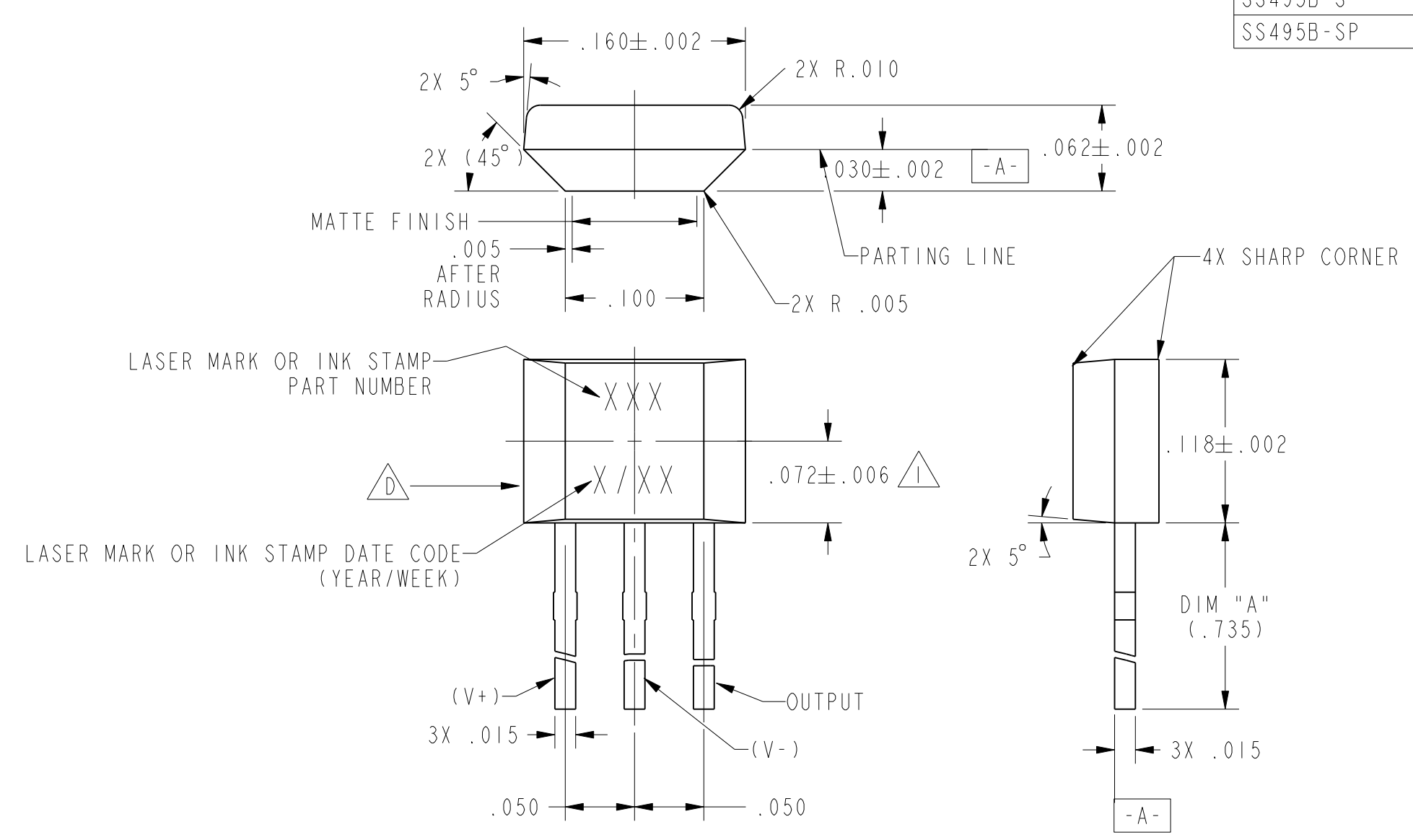
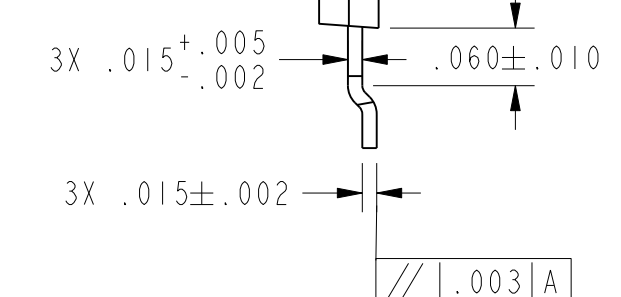
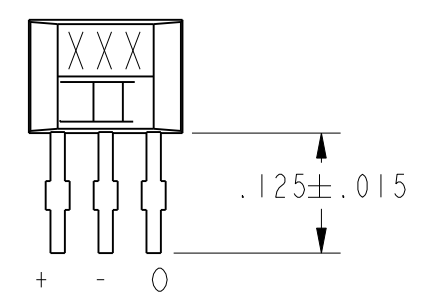
TAPE STYLE "P"

DIRECTION OF FEED FROM REEL

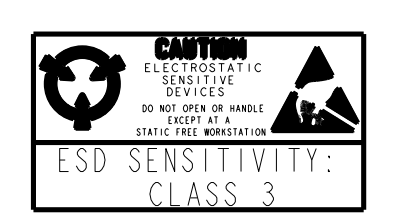
CATALOG LISTING	TAPE STYLE	DIM "L"	DIM "W"	COMMENTS
SS495A	NONE	.590	.050	BULK - 1000/BAG
SS495A-T2	T2	.590	.100	5000/BOX
SS495A-T3	T3	.590	.050	5000/BOX
SS495A-S	NONE	.125	.050	BULK - 1000/BAG
SS495A-SP	P	.125	.050	1000/PACKET TAPE AND REEL
SS495A1	NONE	.590	.050	BULK - 1000/BAG
SS495A1-T2	T2	.590	.100	5000/BOX
SS495A1-T3	T3	.590	.050	5000/BOX
SS495A1-S	NONE	.125	.050	BULK - 1000/BAG
SS495A1-SP	P	.125	.050	1000/PACKET TAPE AND REEL
SS495A2	NONE	.590	.050	BULK - 1000/BAG
SS495A2-S	NONE	.125	.050	BULK - 1000/BAG
SS495A2-SP	P	.125	.050	1000/PACKET TAPE AND REEL
SS495A2-T2	T2	.590	.100	5000/BOX
SS495A2-T3	T3	.590	.050	5000/BOX
SS495A-L	NONE	.735	.050	BULK - 1000/BAG
SS495A1-L	NONE	.735	.050	BULK - 1000/BAG
SS495A2-L	NONE	.735	.050	BULK - 1000/BAG
SS495B	NONE	.590	.050	BULK - 1000/BAG
SS495B-T2	T2	.590	.100	5000/BOX
SS495B-T3	T3	.590	.050	5000/BOX
SS495B-S	NONE	.125	.050	BULK - 1000/BAG
SS495B-SP	P	.125	.050	1000/PACKET TAPE AND REEL



OPTIONAL SURFACE MOUNT LEAD STYLE



LEAD STYLES L ONLY  
SCALE 10:1



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FED. MFG. CODE 91929  
**MICRO SWITCH**  
a Honeywell Division  
MINIATURE RATIOMETRIC  
LINEAR HALL EFFECT SENSOR  
SS495 SERIES CHART 1

ONE PLACE	(.0)	+ .030
TWO PLACE	(.00)	+ .015
THREE PLACE	(.000)	+ .005
ANGLES		+ 2°
WEIGHT		

PTC/CAD 2D  
 DRAWING NUMBER  
 RELEASE NO. PR-21283  
 OF 5  
 REPLACES  
 ISSUE  
 14  
 REVISIONS  
 1  
 083535  
 26 OCT 07  
 CHECK  
 SAV  
 4 APR 02  
 PTC/CAD 2D  
 DRAWING NUMBER  
 RELEASE NO. PR-21283  
 OF 5  
 REPLACES  
 ISSUE  
 14  
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 4 APR 02

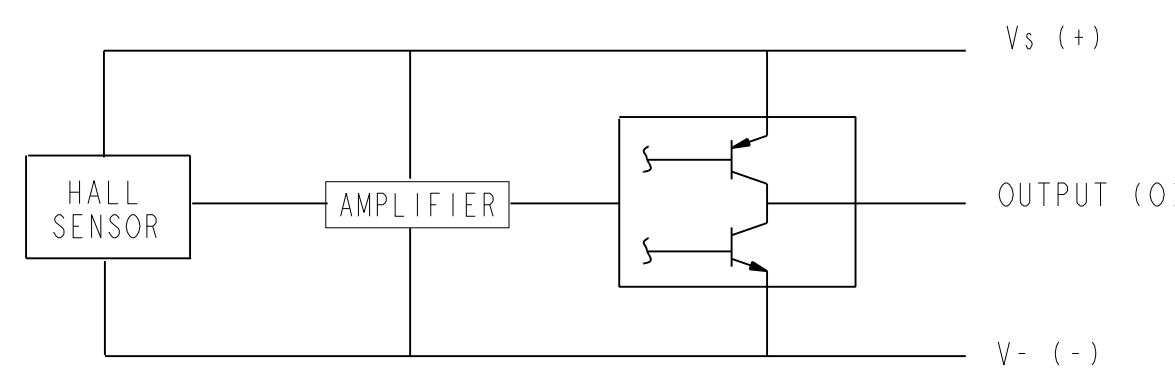
CHARACTERISTICS ARE AT  $V_s=5.0$  WITH 4.7K OUTPUT TO MINUS WITH  $T_A=-40^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$  UNLESS OTHERWISE SPECIFIED

SS495A

SS495 SERIES CHART 1

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	3.00	3.125	3.25	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 -	.4	.2		VOLTS
	VOM +	$V_s - .4$	$V_s - .2$		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-600	-670		GAUSS
	+B MAX	+600	+670		GAUSS
$V_{null}$ DRIFT	$B = 0, T_A = 25^{\circ}\text{C TO } 125^{\circ}\text{C}$	-.06		+.06	% / °C
$V_{null}$ DRIFT	$B = 0, T_A = -125^{\circ}\text{C TO } +150^{\circ}\text{C}$	-.08		+.08	% / °C
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C TO } +150^{\circ}\text{C}$	-.01		+.05	% / °C
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C TO } +25^{\circ}\text{C}$	0		+.06	% / °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

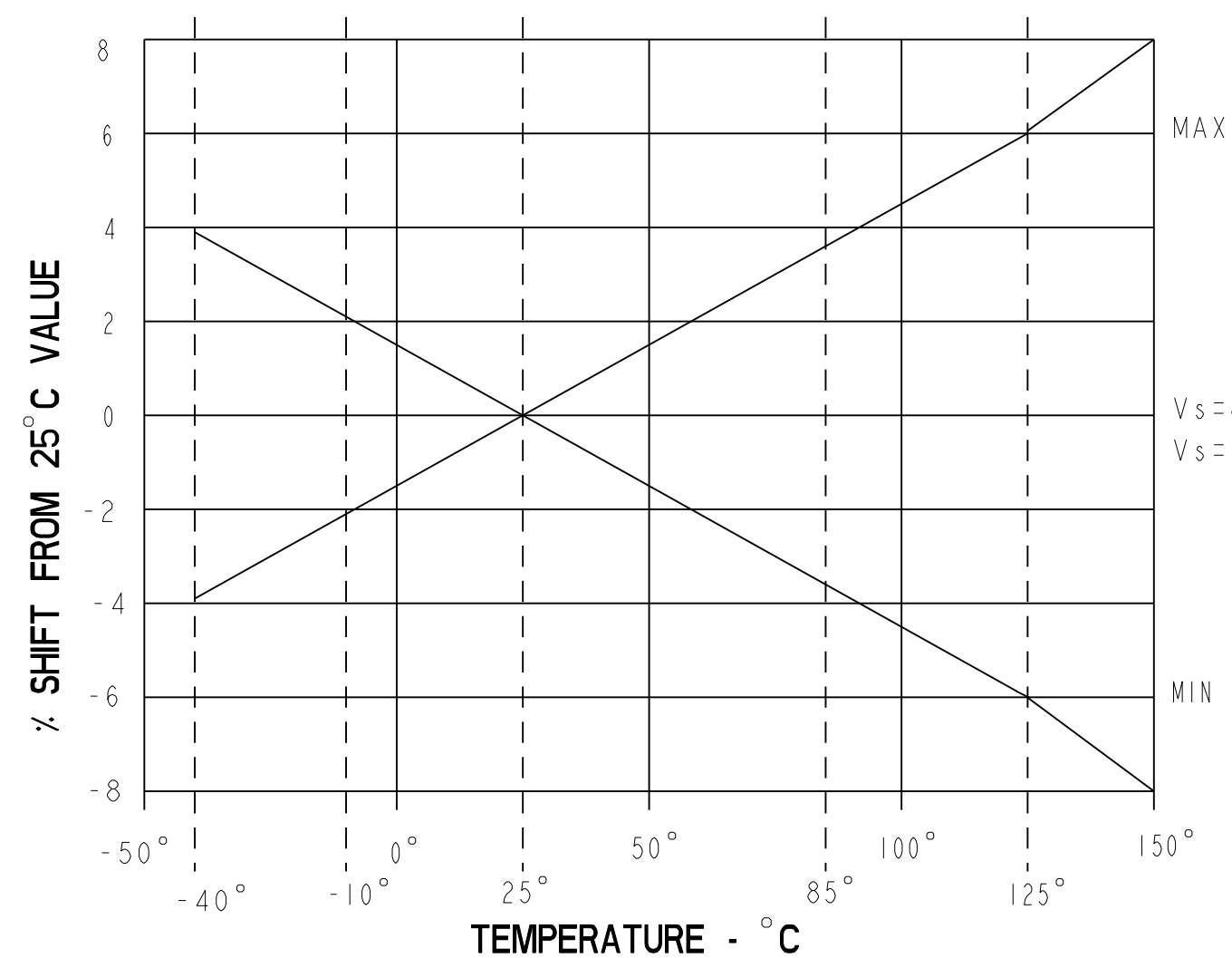
BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



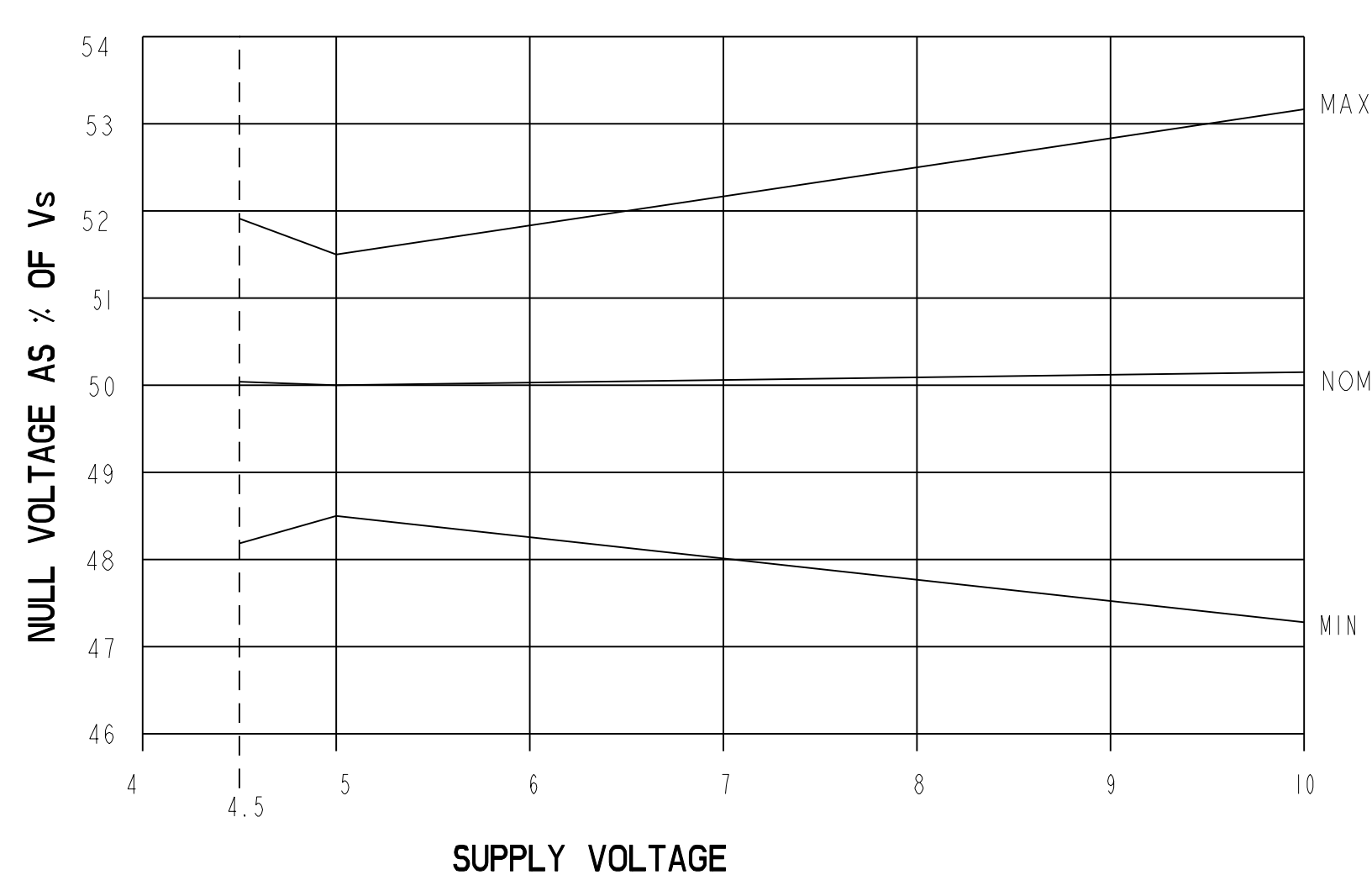
ABSOLUTE MAXIMUM CHARACTERISTICS

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

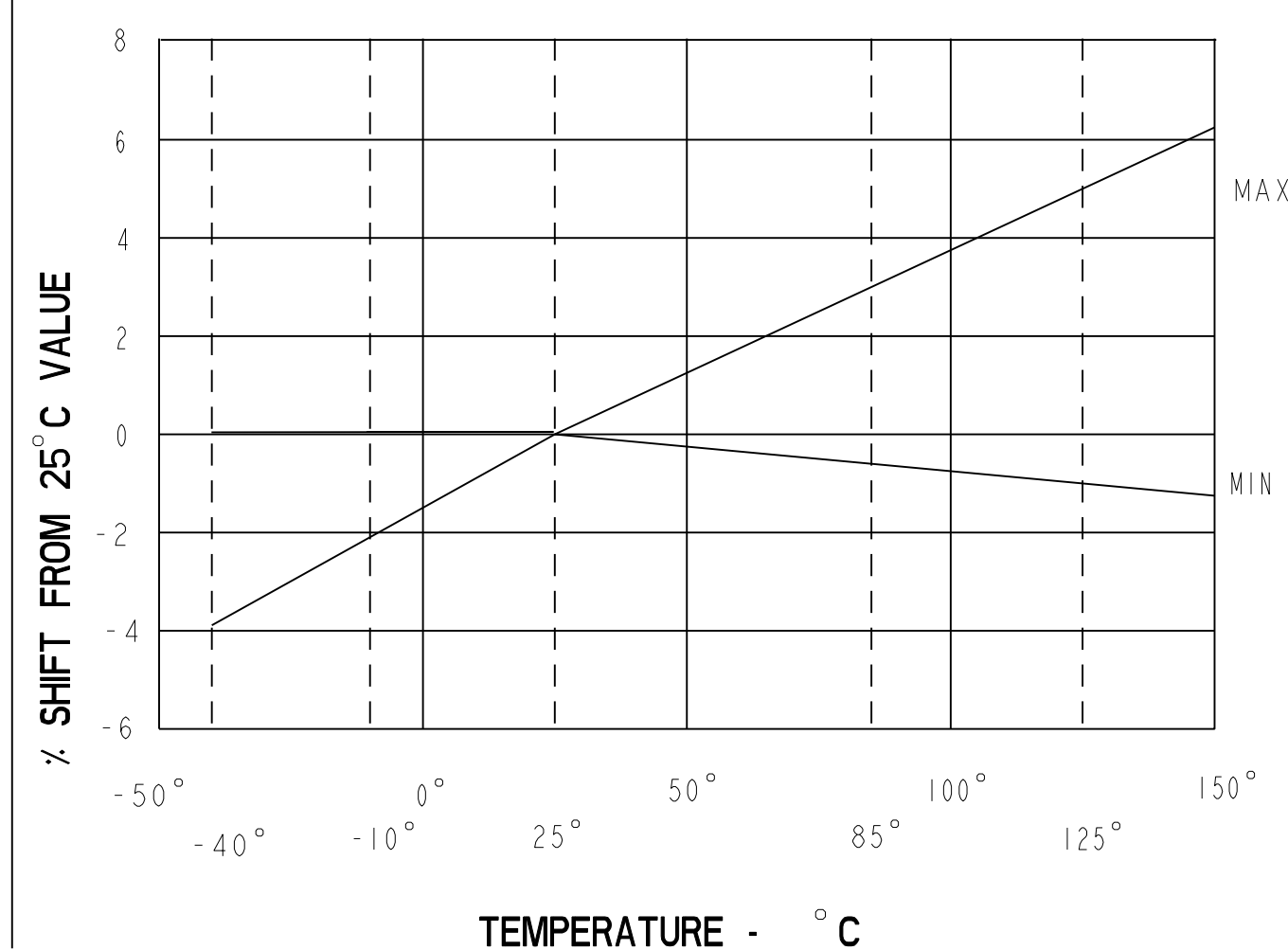
NULL SHIFT VERSUS TEMPERATURE



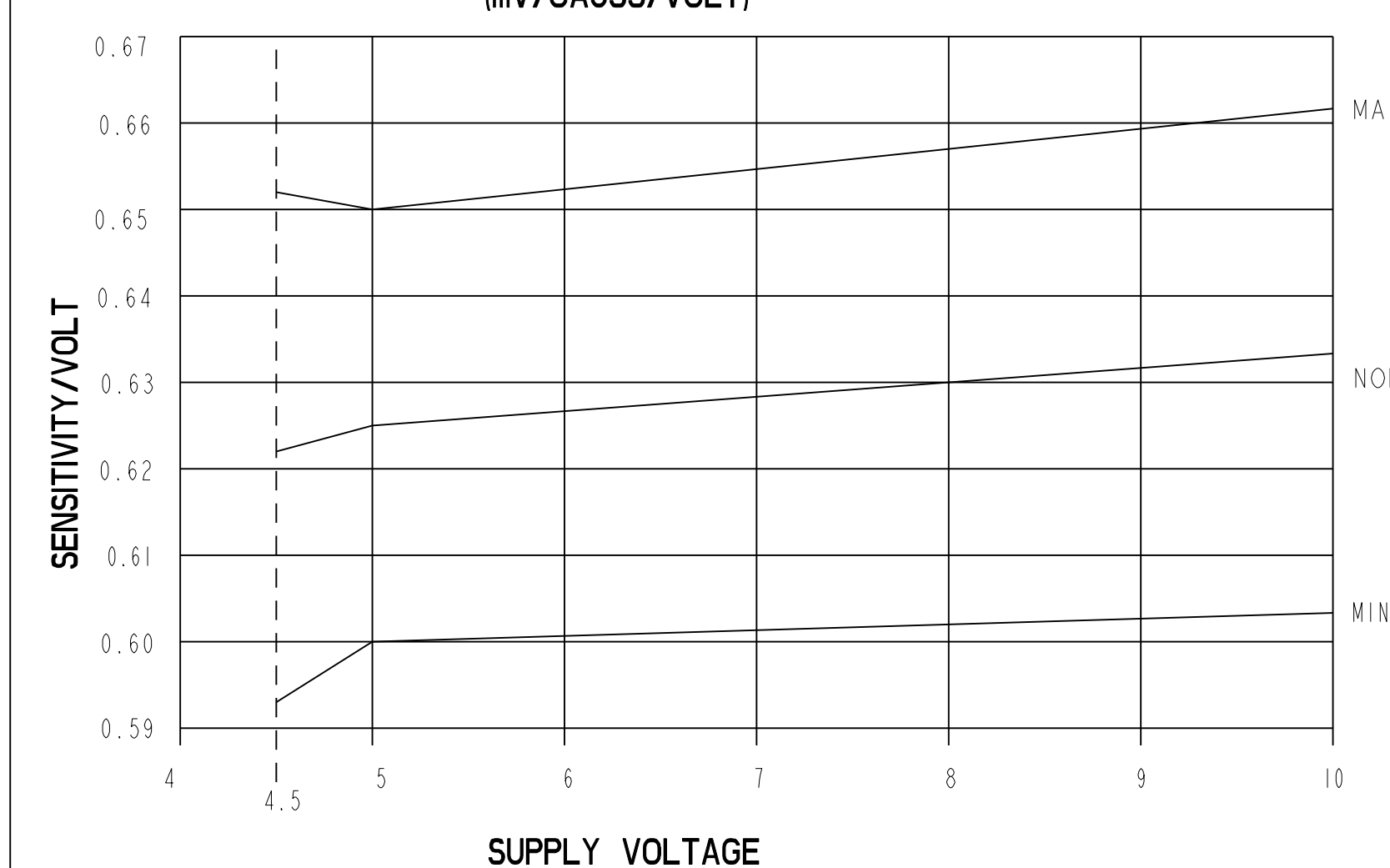
RATIO OF  $V_{null}$  TO  $V_s$



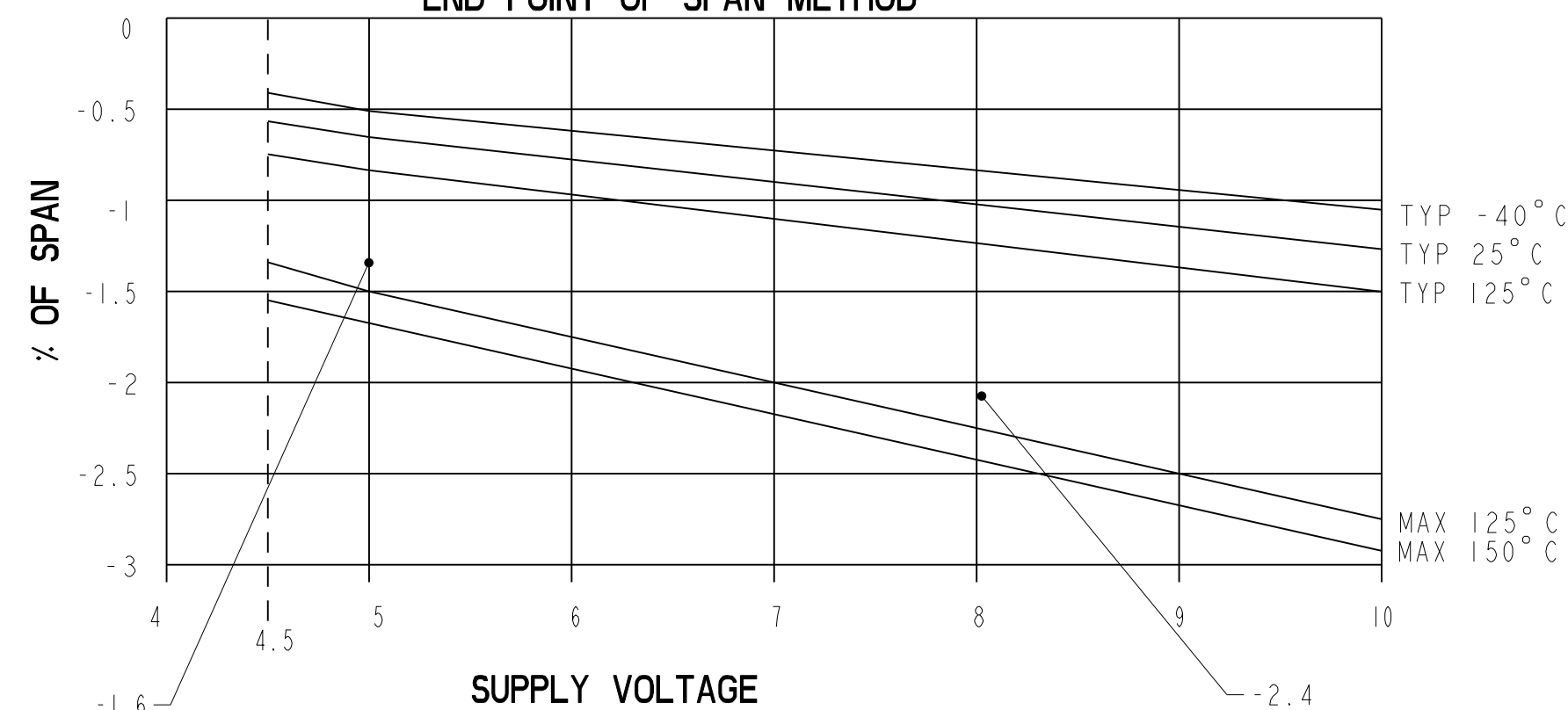
SENSITIVITY SHIFT VERSUS TEMPERATURE



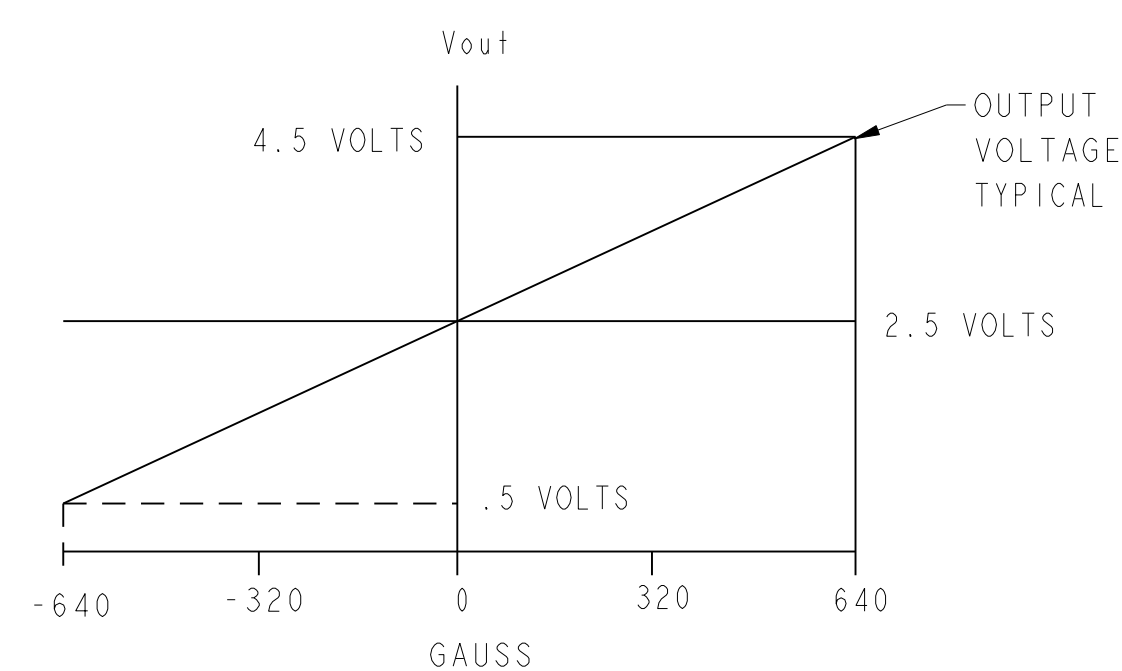
SENSITIVITY/V VERSUS  $V_s$   
(mV/GAUSS/VOLT)



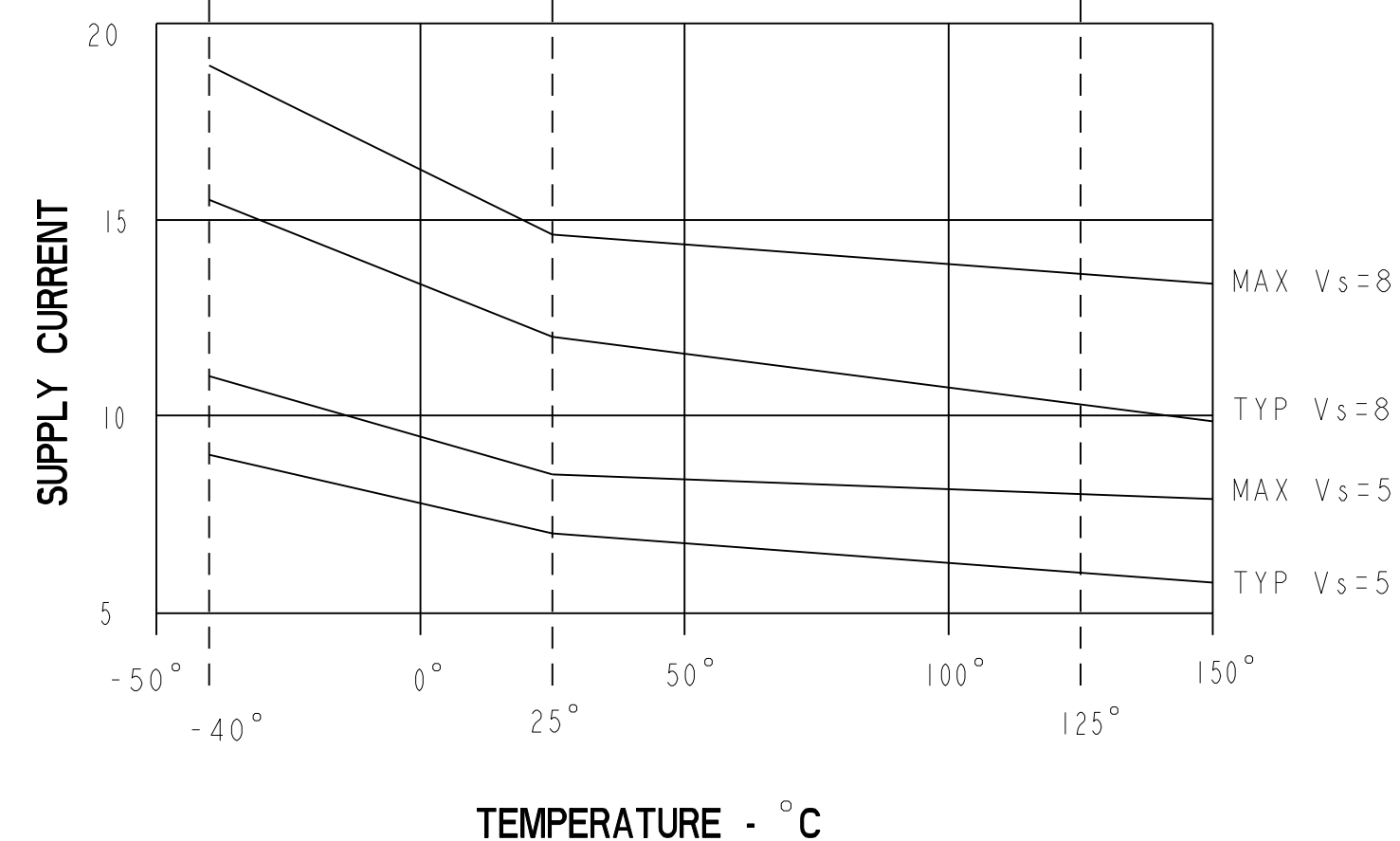
LINEARITY VERSUS  $V_s$   
END POINT OF SPAN METHOD



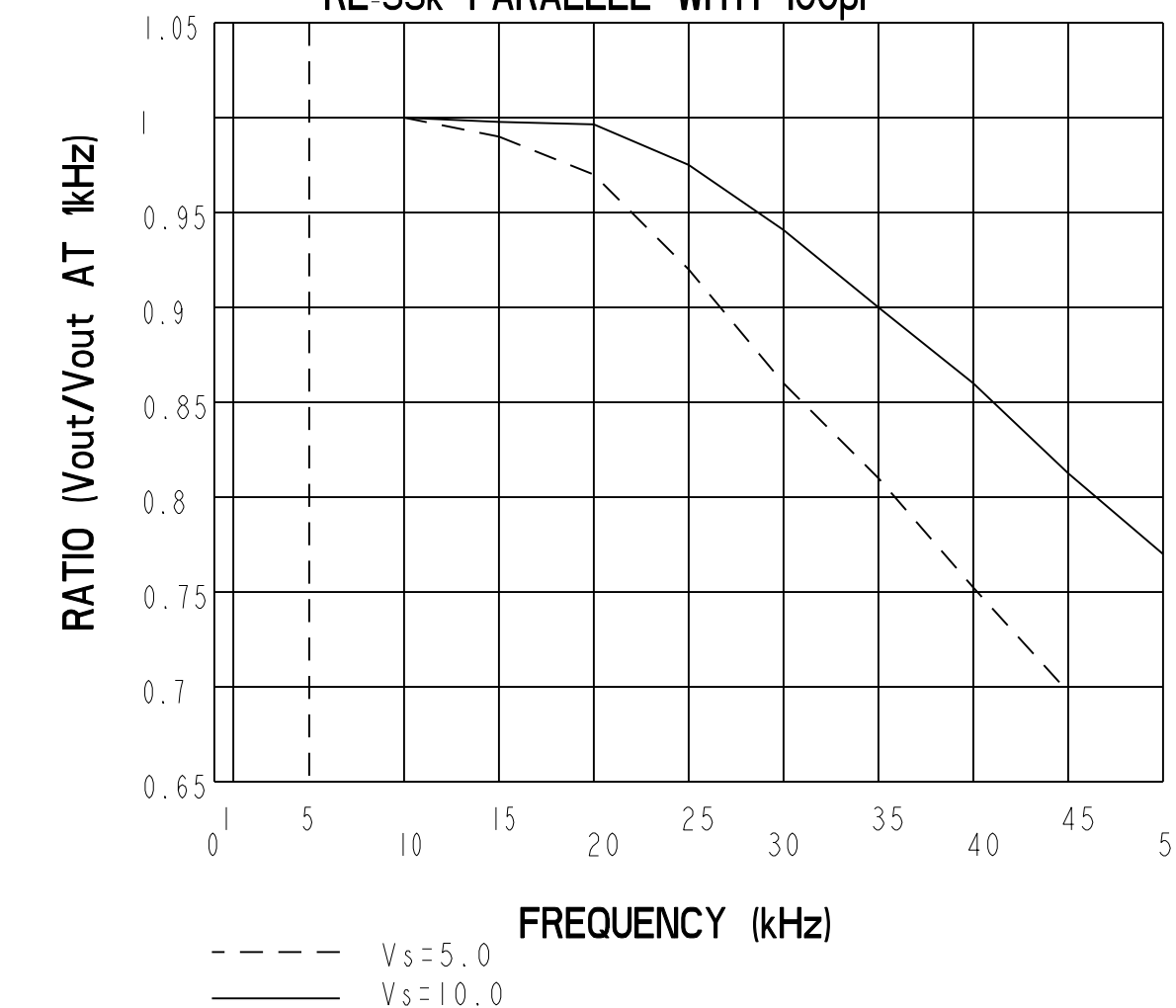
TRANSFER CHARACTERISTICS AT  $V_s=5.0$  VDC



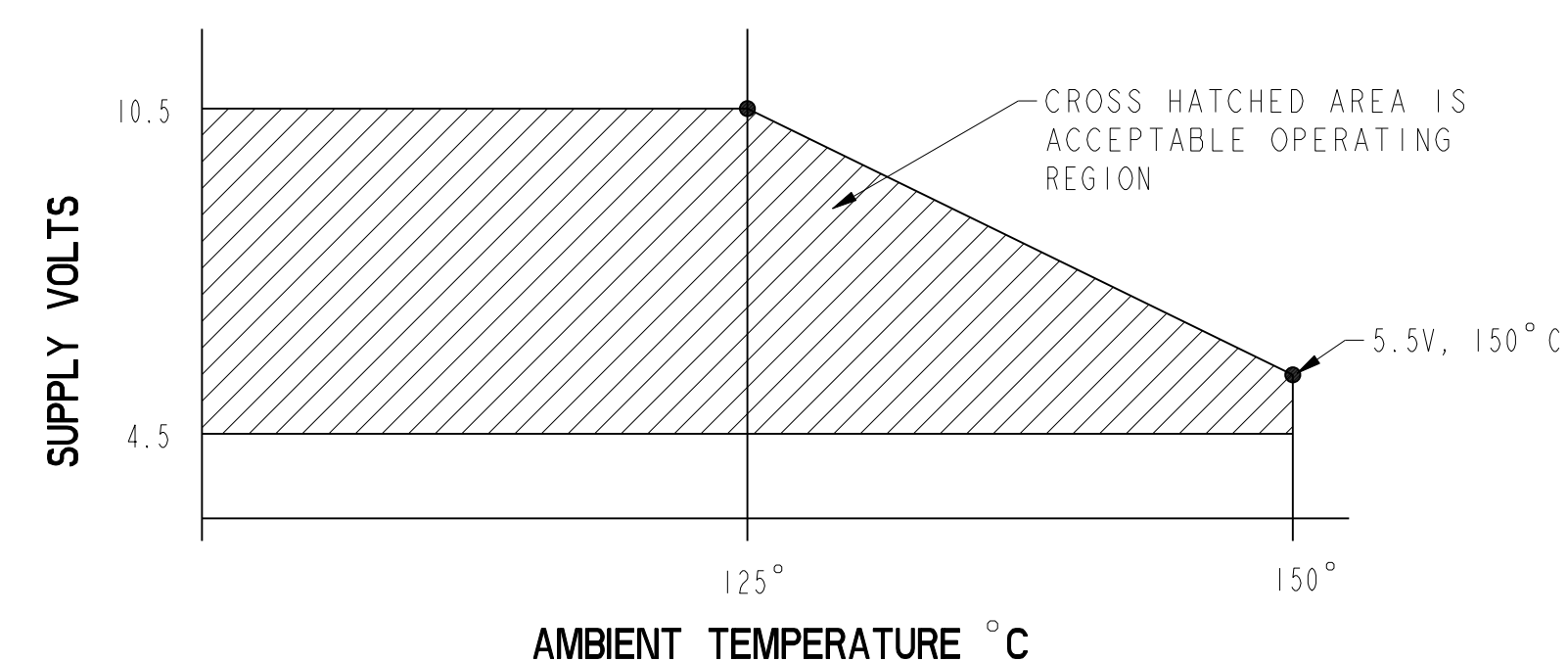
SUPPLY CURRENT VERSUS TEMPERATURE



TYPICAL FREQUENCY RESPONSE  
RL=33k PARALLEL WITH 100pF



MAXIMUM ALLOWABLE AMBIENT TEMPERATURE



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CATALOG LISTING  
**MICRO SWITCH** a Honeywell Division  
**MINIATURE RATIO-METRIC LINEAR HALL EFFECT SENSOR**  
**SS495 SERIES CHART 1**

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	+2°
WEIGHT	

PTC/CAD 2D  
 DRAWN: C.S.L.  
 CHECKED: S.A.V.  
 DATE: 14 APR 02  
 RELEASE NO. PR-21283  
 REVISIONS:  
 14  
 ISSUE: 14  
 DRAWING NUMBER: 14  
 MICRO SWITCH  
 14100 WILSON  
 CANTON, MA 01939  
 508-853-1000  
 FAX 508-853-1001  
 24 OCT 01  
 CHECKED: S.A.V.  
 DATE: 14 APR 02

ANSI Y14.5M-1982 APPLIES

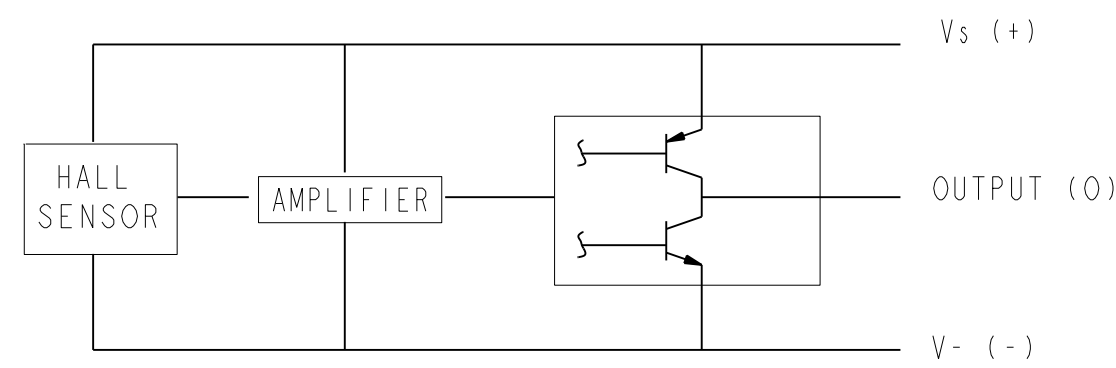
CHARACTERISTICS ARE AT  $V_s=5.00$  WITH 4.7K OUTPUT TO MINUS WITH  $T_A = -40^\circ\text{C}$  TO  $+125^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED

SS495A1

SS495 SERIES CHART 1

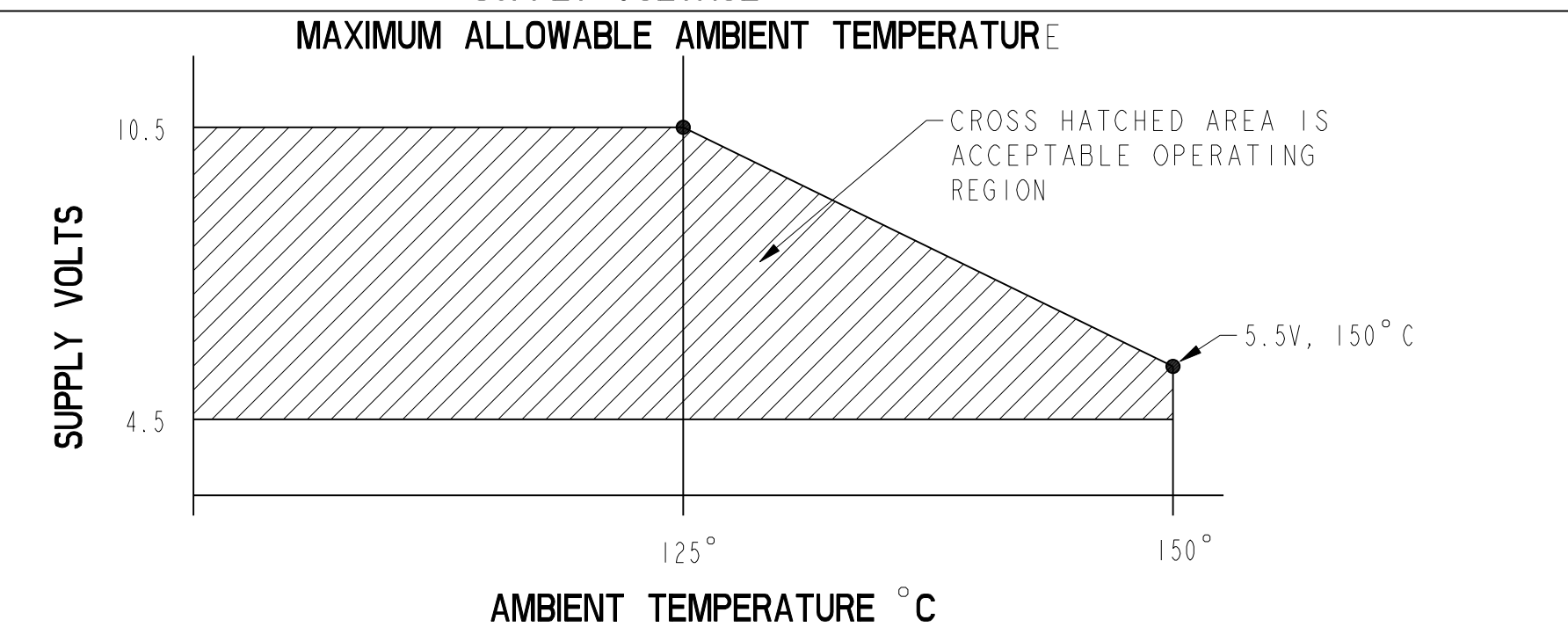
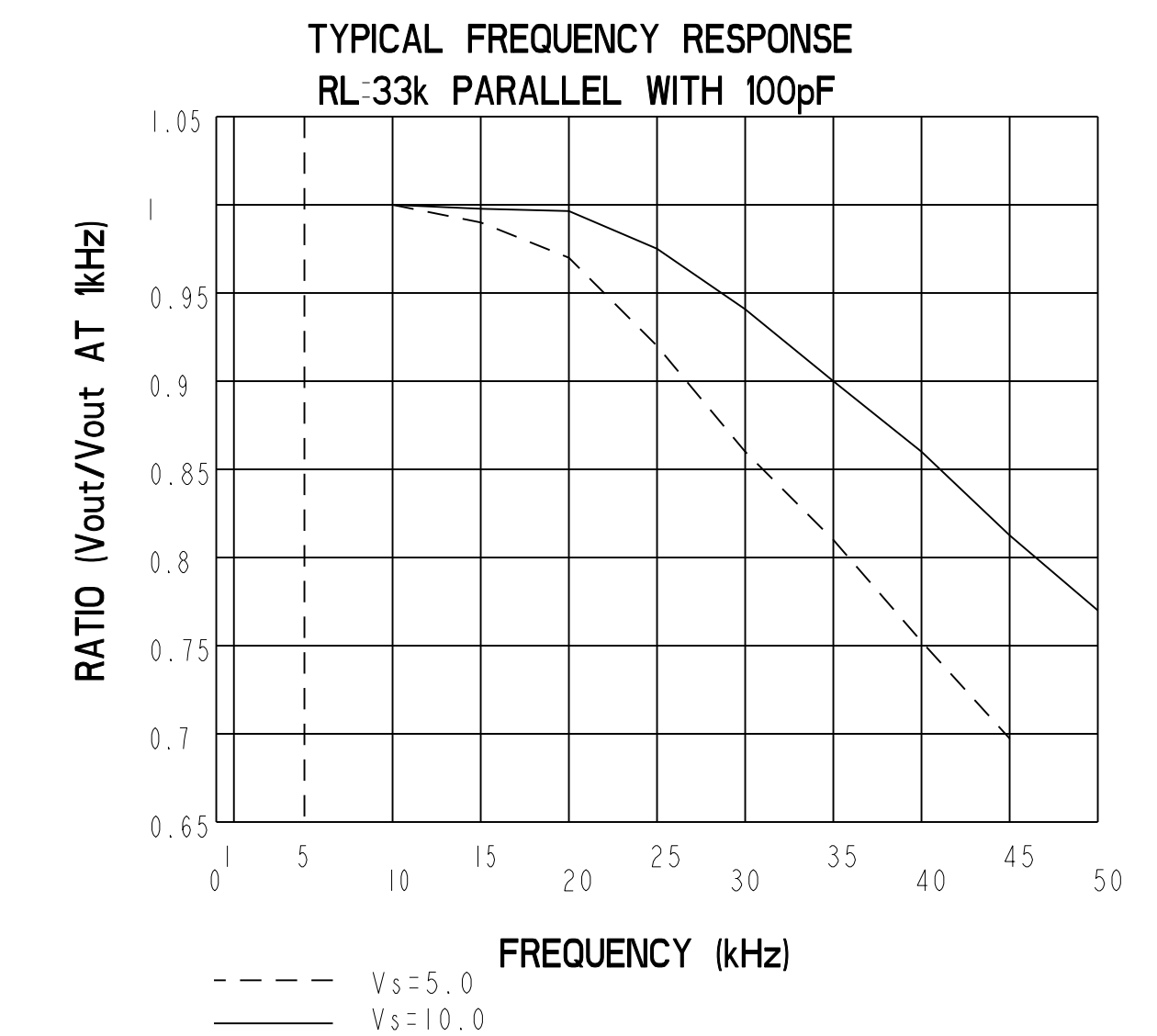
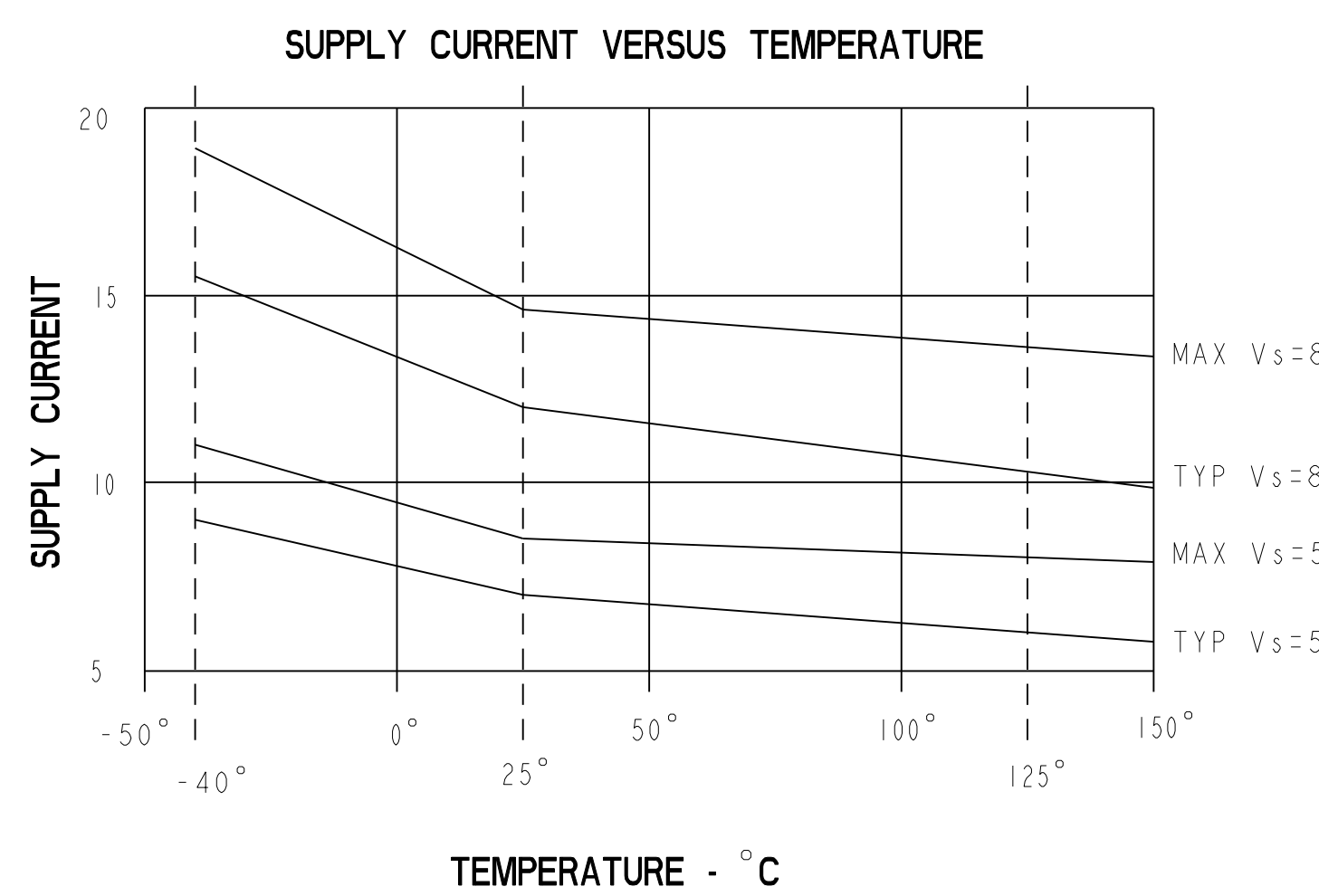
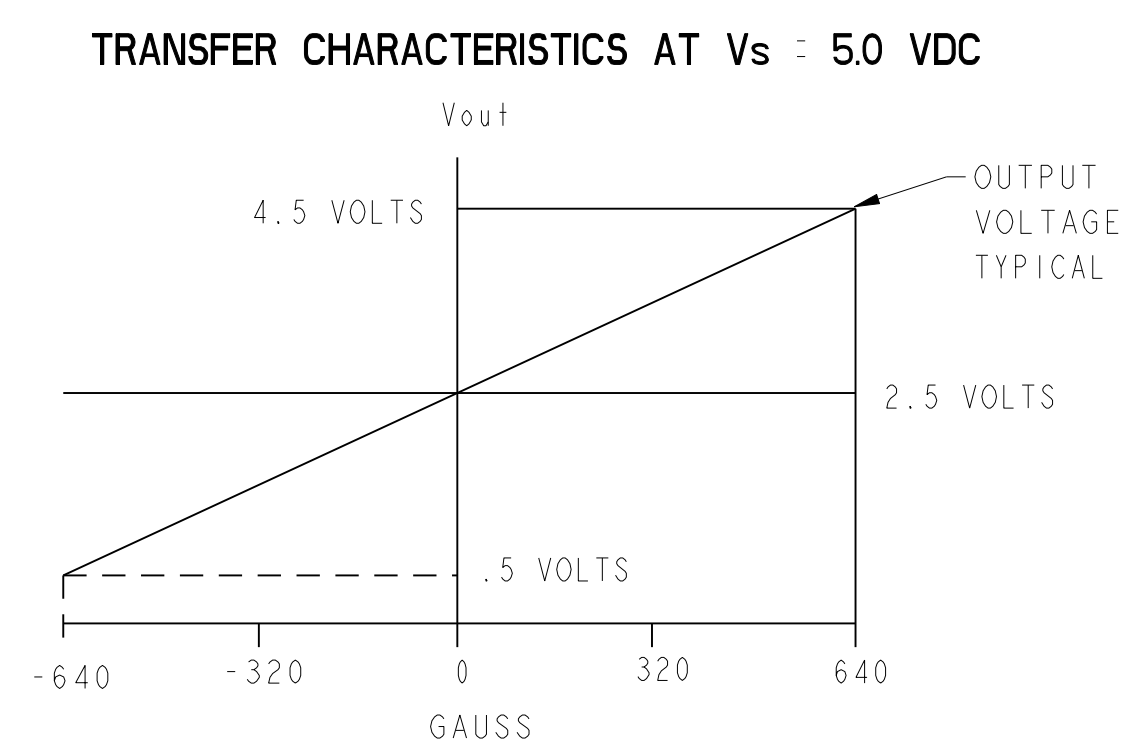
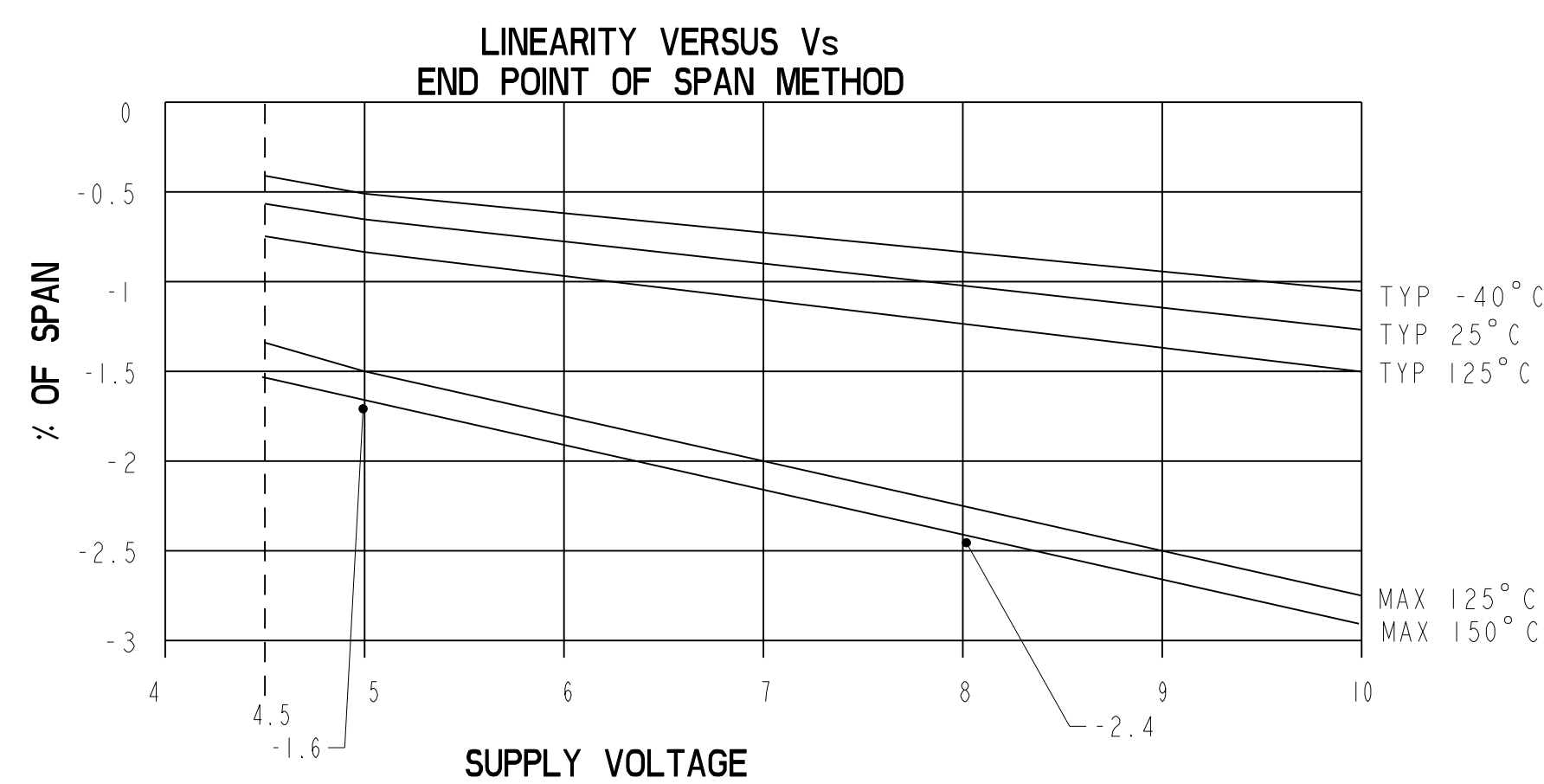
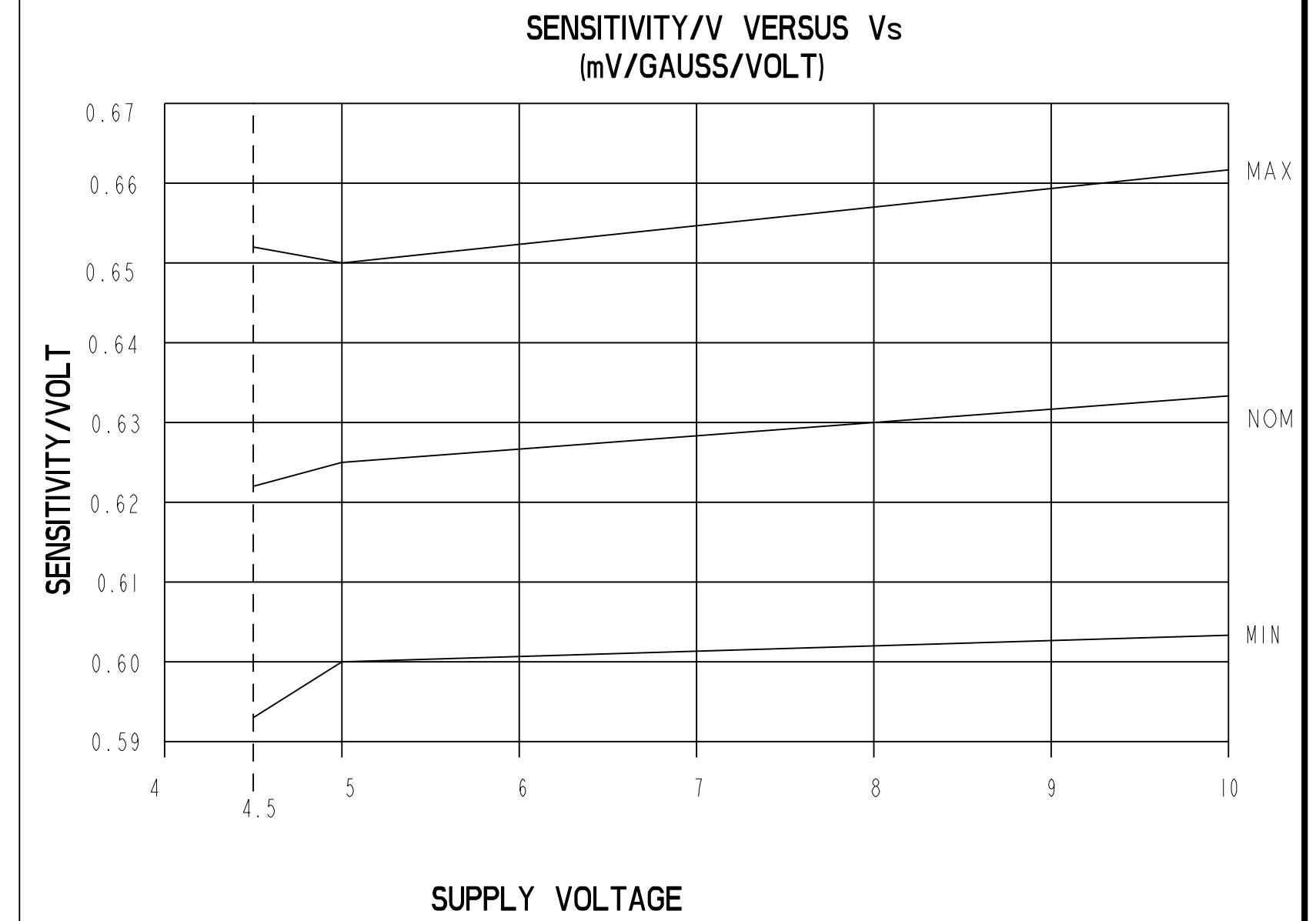
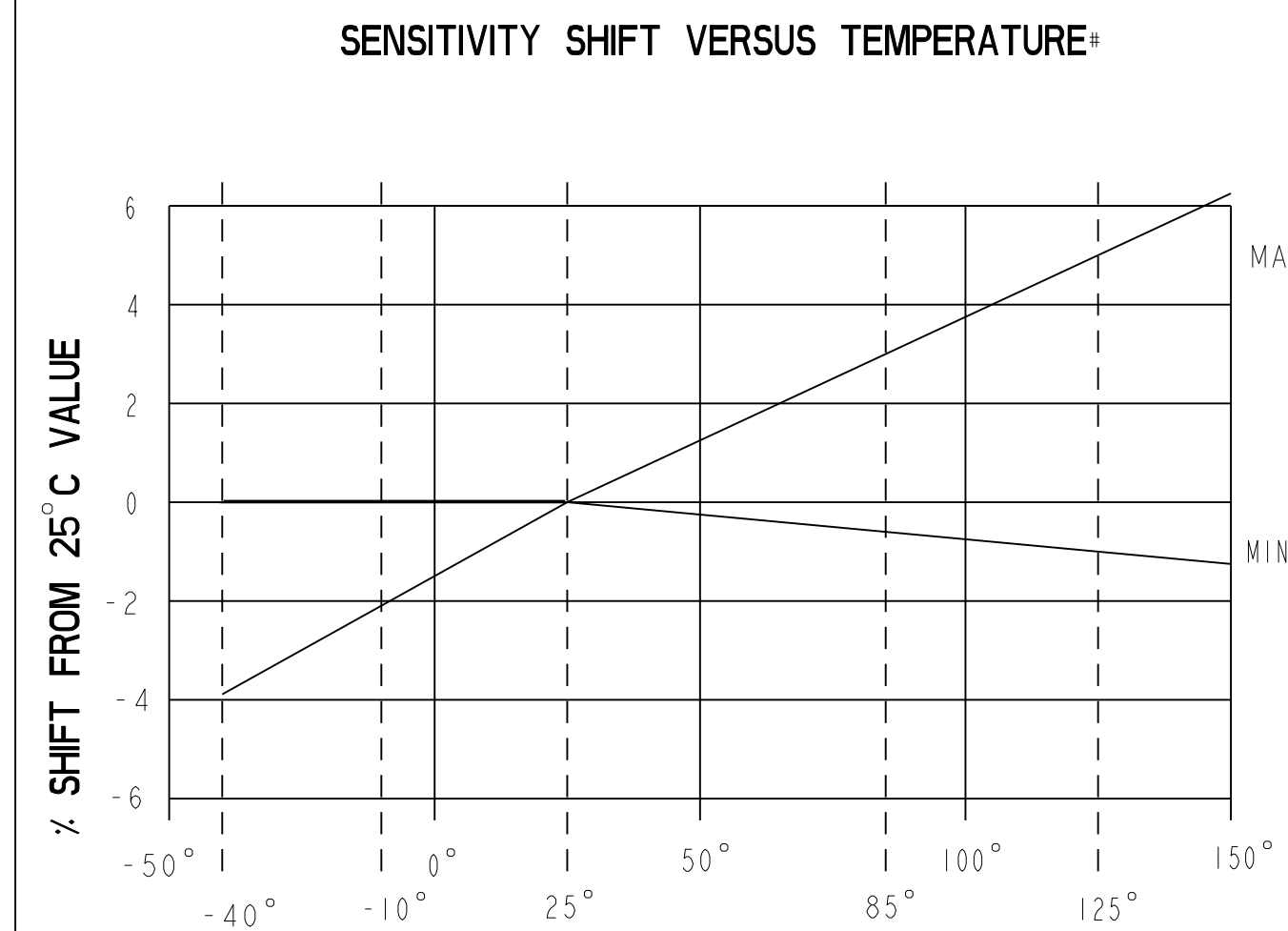
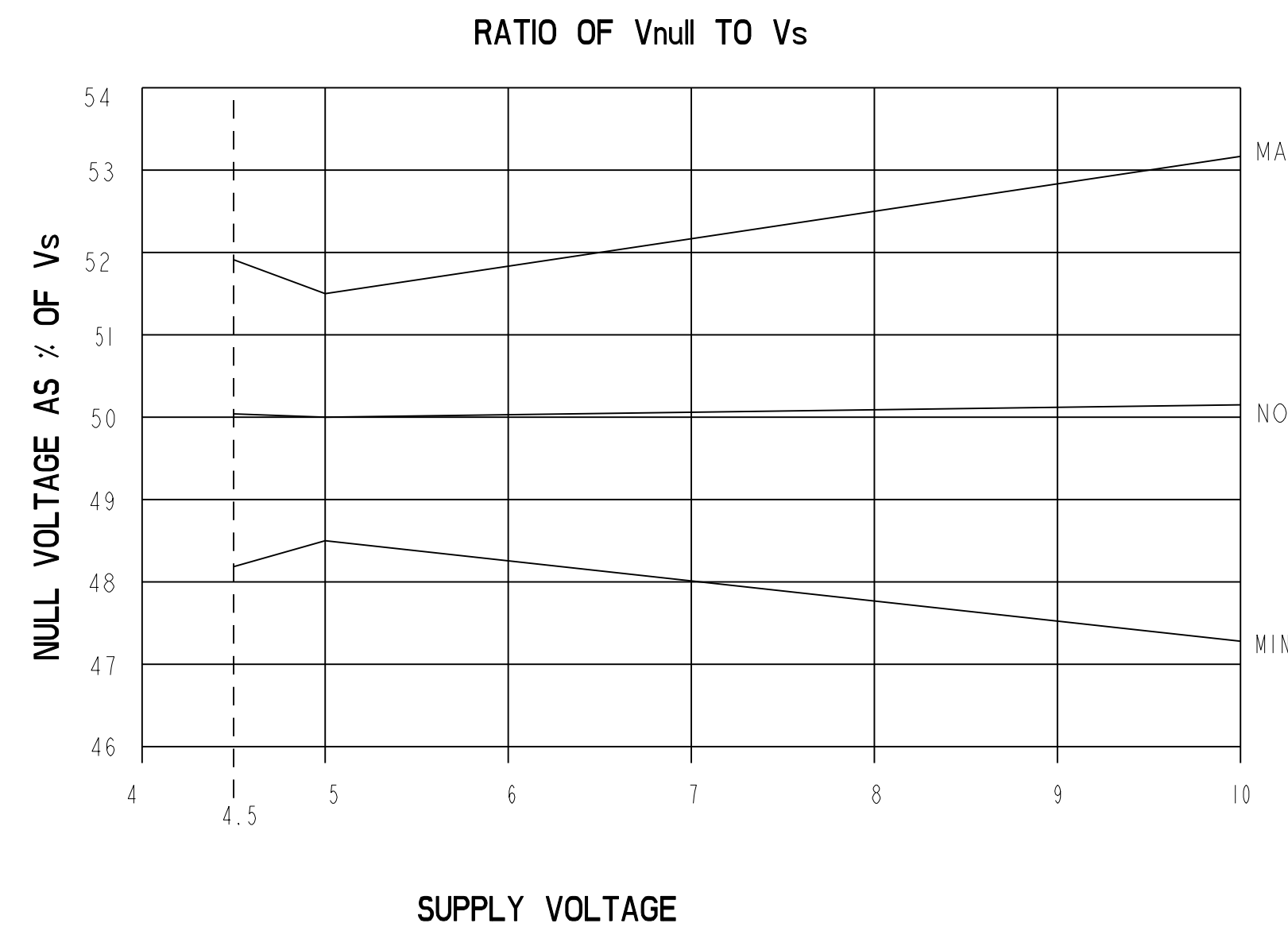
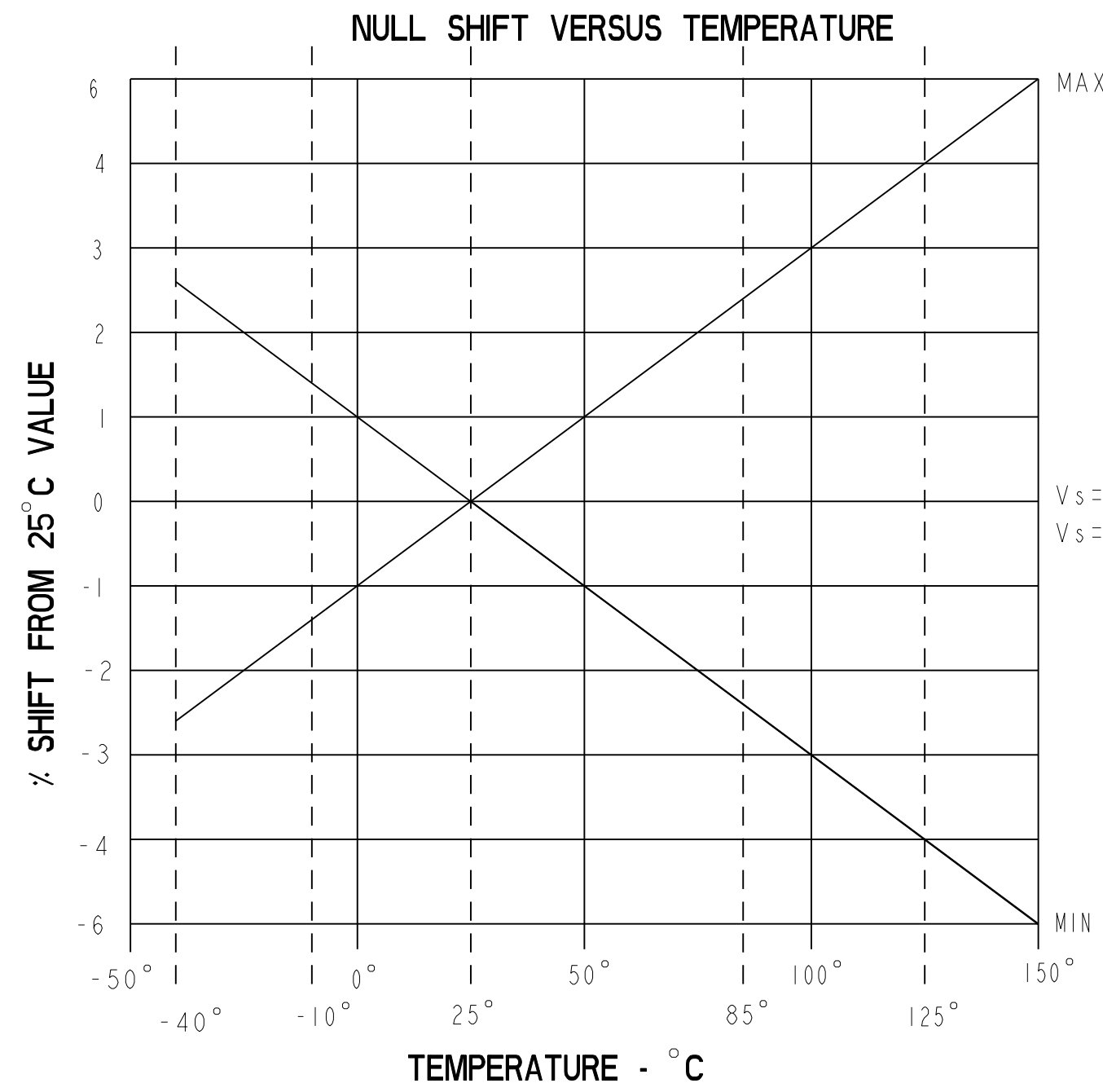
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^\circ\text{C}$	3.031	3.125	3.219	mV/GAUSS
NULL	$T_A = 25^\circ\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^\circ\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
	SINK	$V_s > 4.5$	.6mA	1.5mA	
	SINK	$V_s > 5.0$	1mA	1.5mA	
RESPONSE TIME			3μS		
OUTPUT VOLTAGE SWING	VOM -		.4	.2	VOLTS
	VOM +	+B APPLIED	$V_s - .4$	$V_s - .2$	VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-600	-670		GAUSS
	+B MAX	+600	+670		GAUSS
$V_{null}$ DRIFT	$B = 0, T_A = 25^\circ\text{C TO } 125^\circ\text{C}$	-.04		+.04	% / °C
$V_{null}$ DRIFT	$B = 0, T_A = +125^\circ\text{C TO } +150^\circ\text{C}$	-.08		+.08	% / °C
SENSITIVITY DRIFT	$T_A = +25^\circ\text{C TO } +150^\circ\text{C}$	-.01		+.05	% / °C
SENSITIVITY DRIFT	$T_A = -40^\circ\text{C TO } +25^\circ\text{C}$	0		+.06	% / °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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 FED. MFG. CODE 91929  
**MICRO SWITCH**  
 a Honeywell Division  
 CATALOG LISTING  
**MINIATURE RATIO-METRIC LINEAR HALL EFFECT SENSOR**  
**SS495 SERIES CHART 1**

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	+2°
WEIGHT	

ANSI Y14.5M-1982 APPLIES

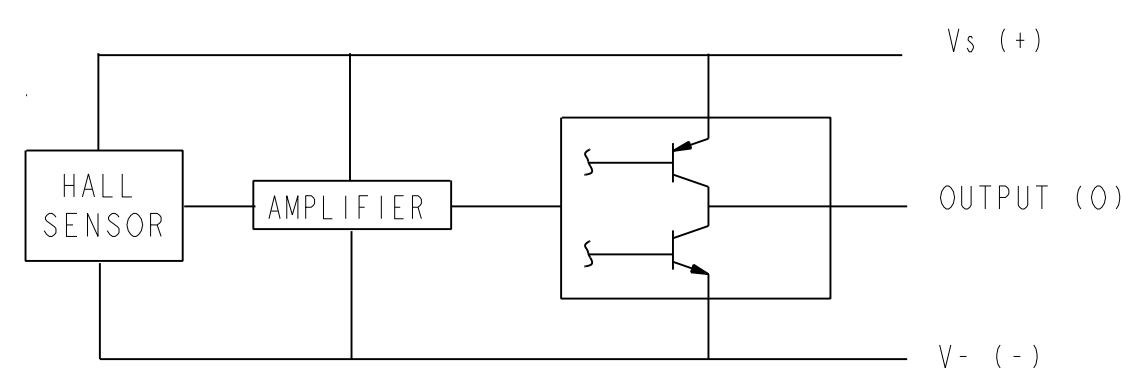
CHARACTERISTICS ARE AT  $V_s=5.00$  WITH 4.7K OUTPUT TO MINUS WITH  $T_A: -40^\circ\text{C}$  TO  $+125^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED

SS495A2

SS495 SERIES CHART 1

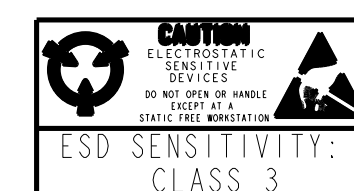
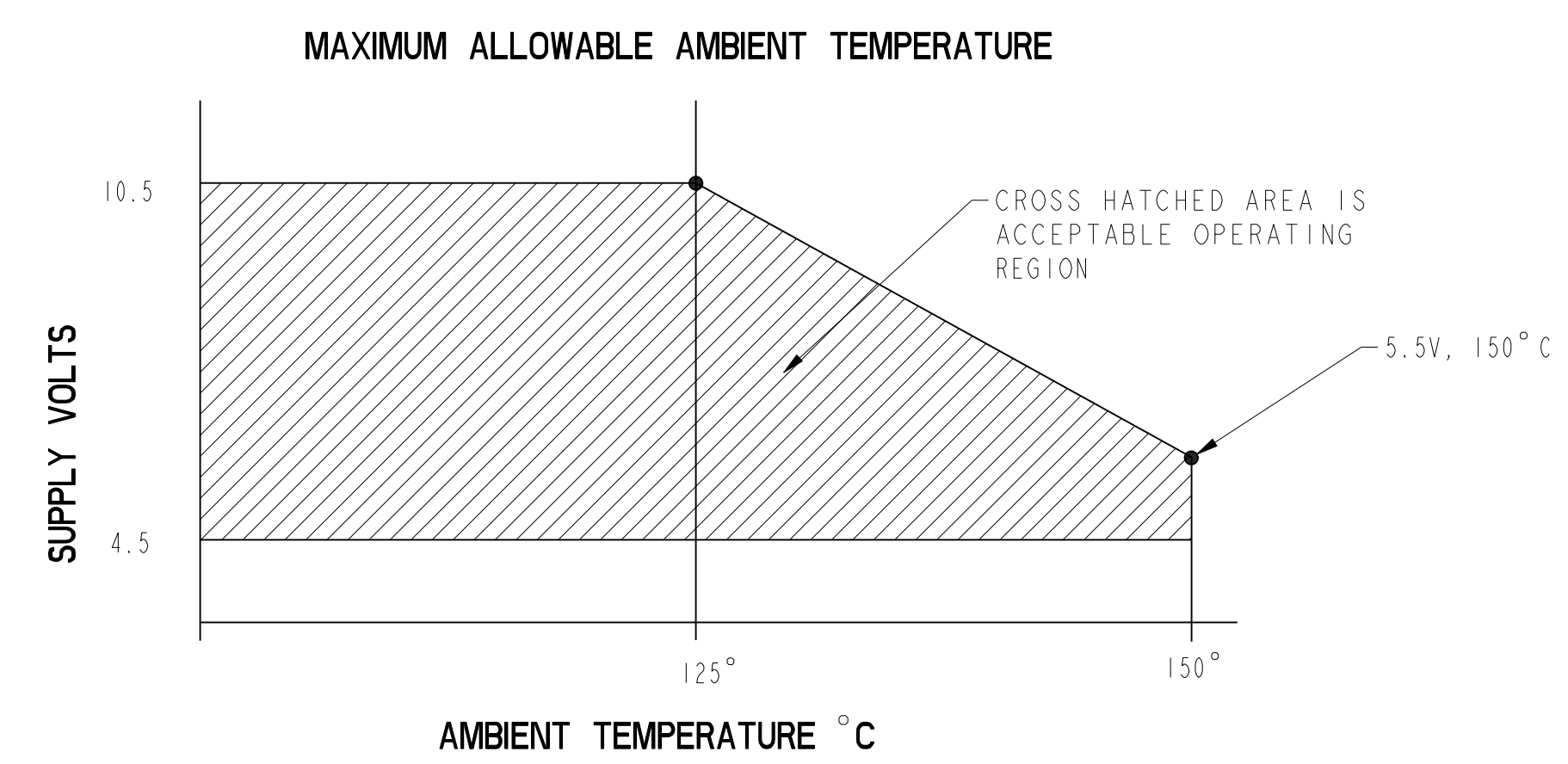
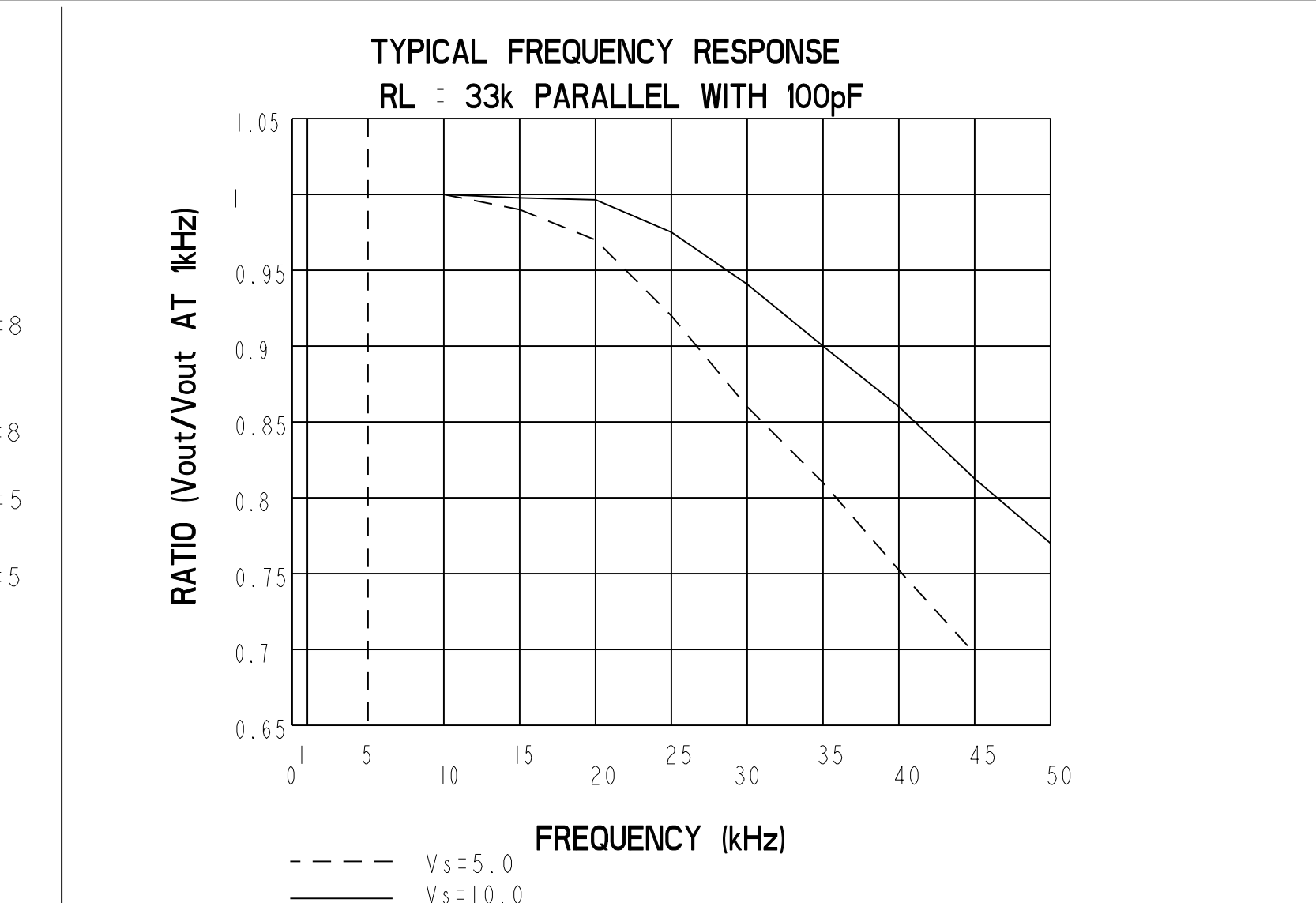
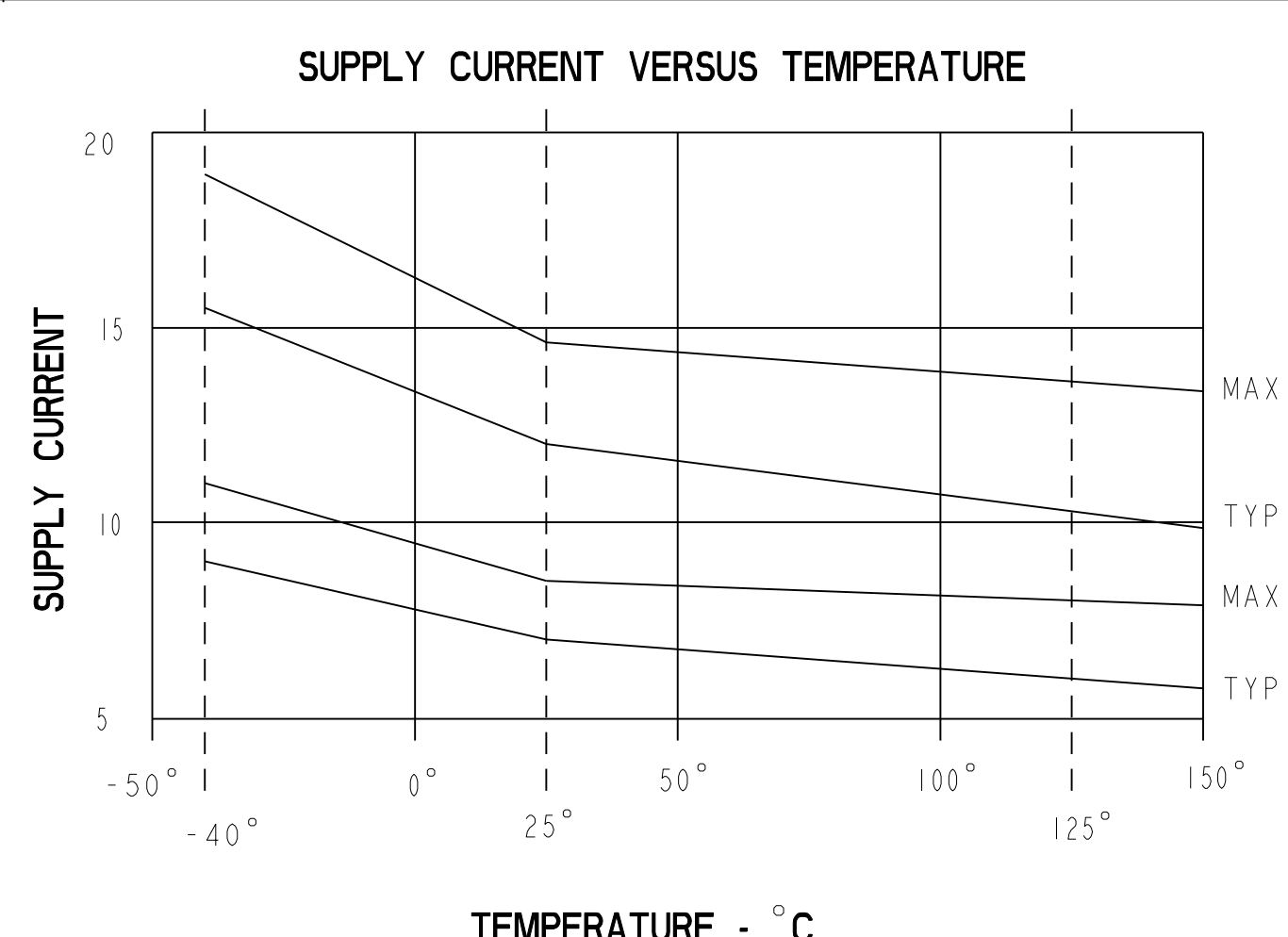
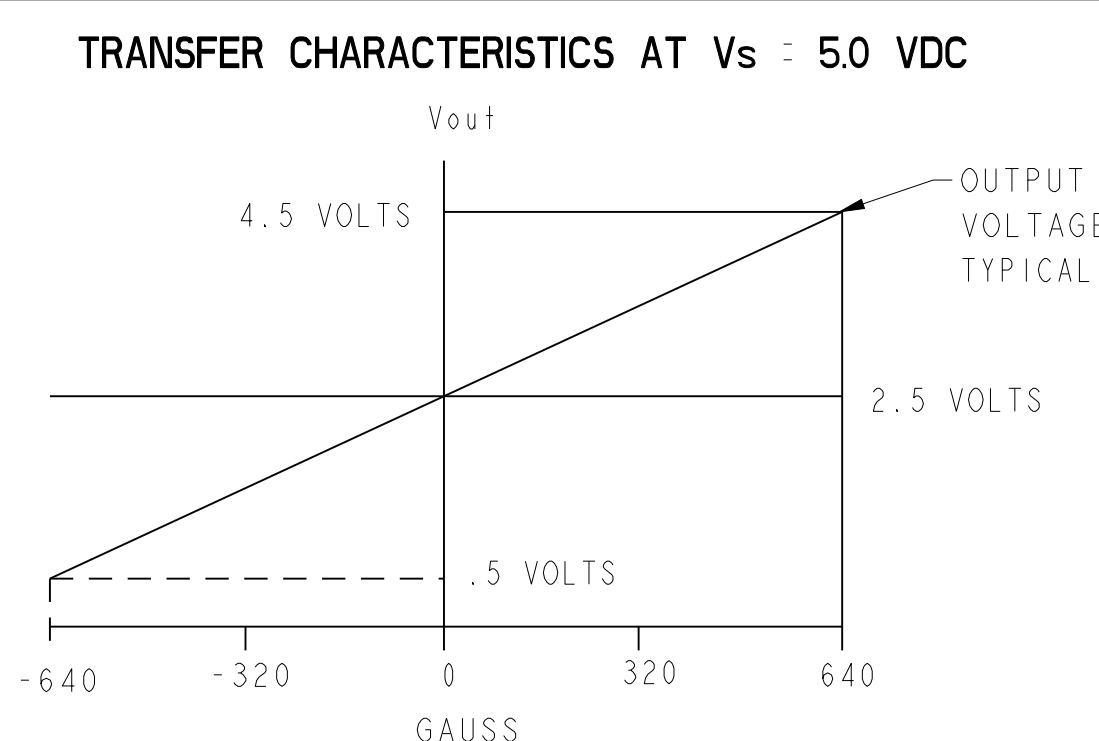
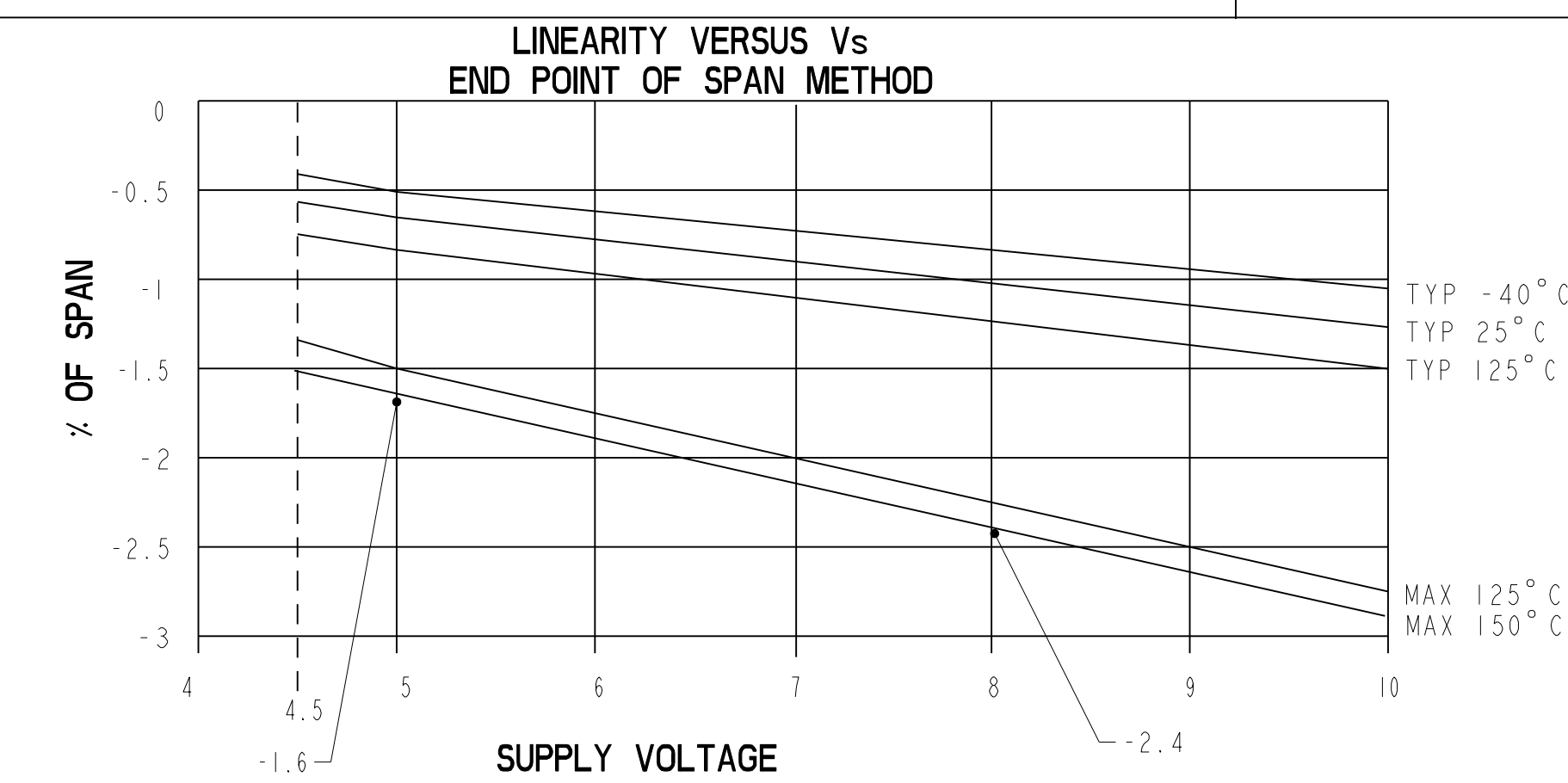
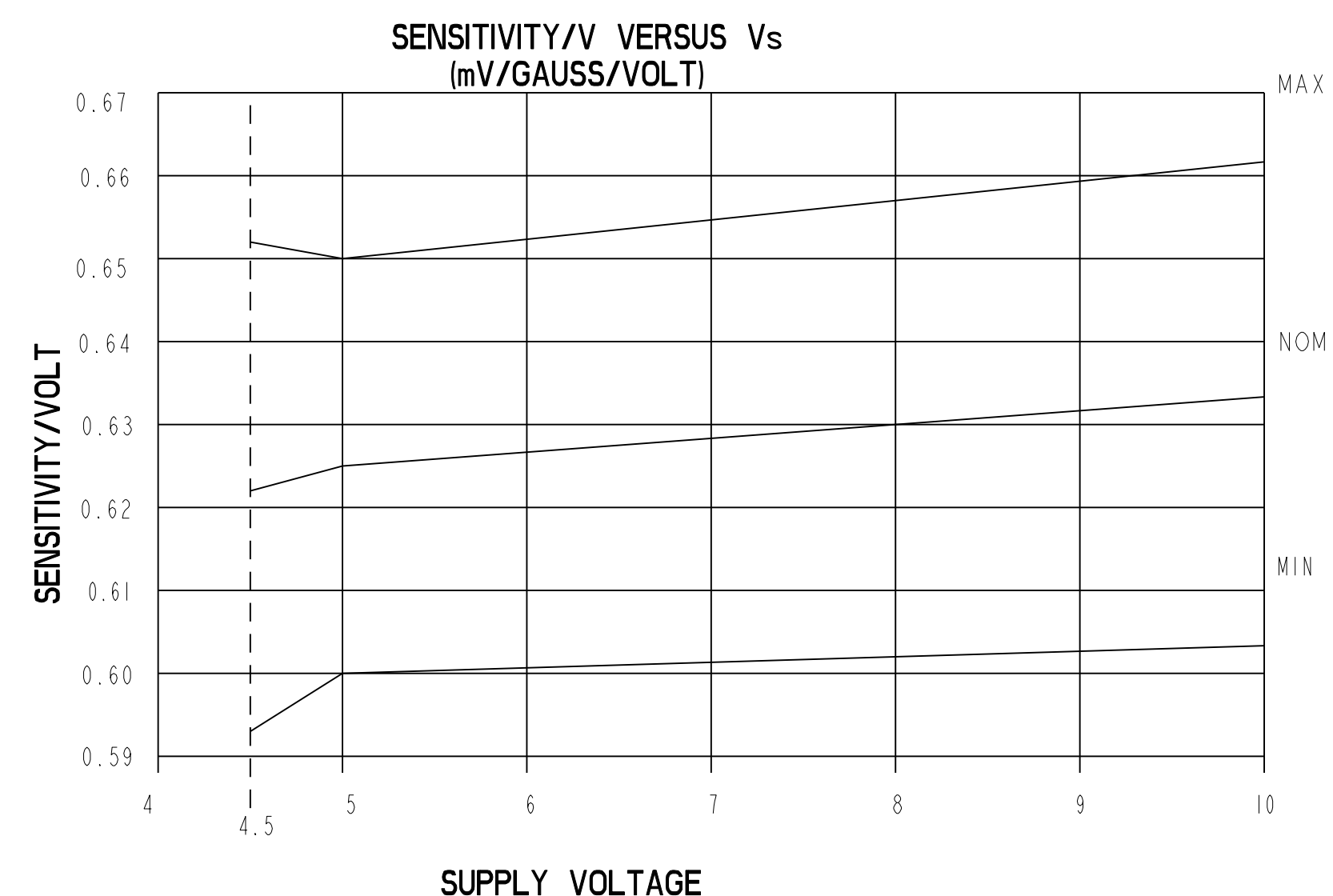
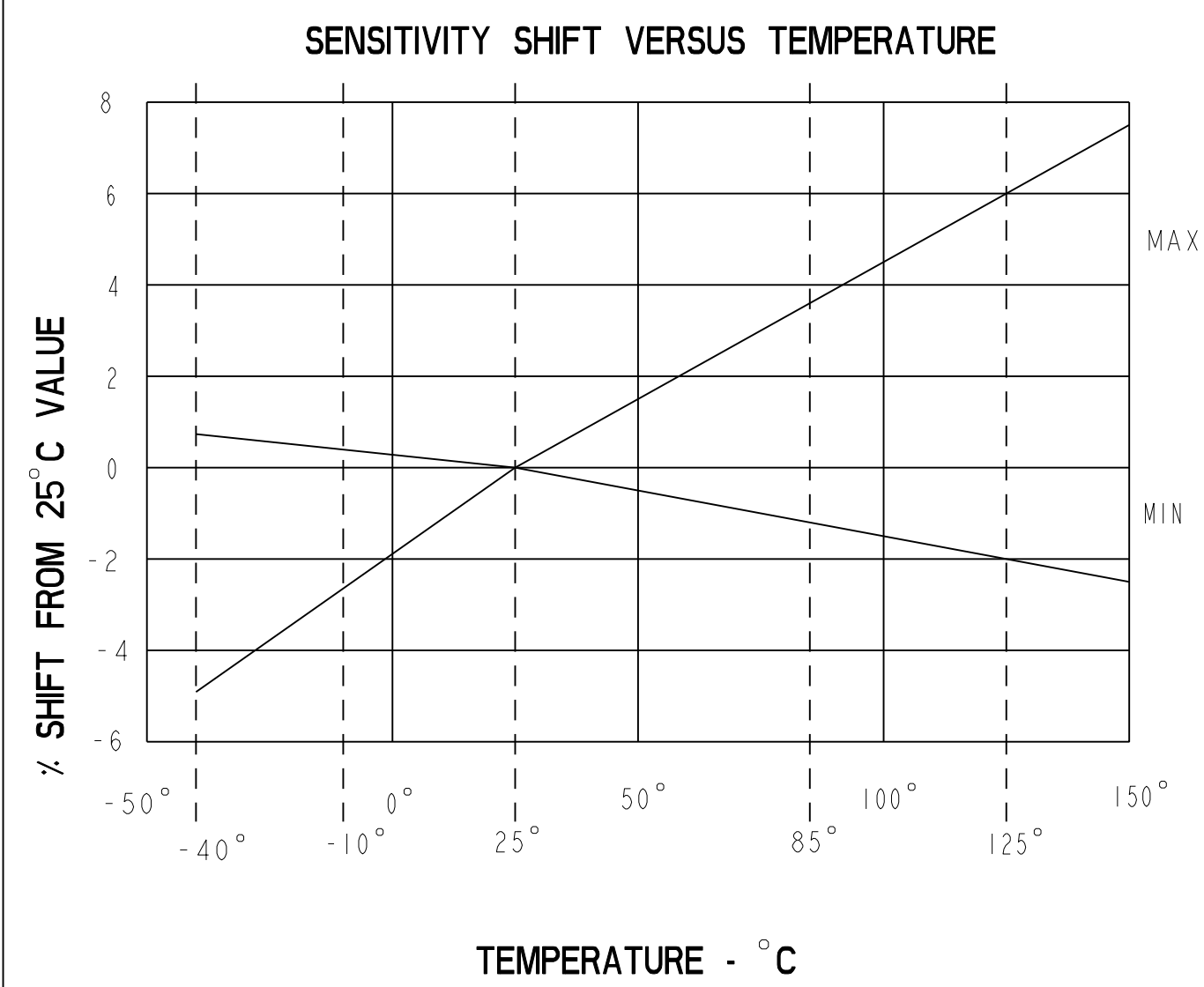
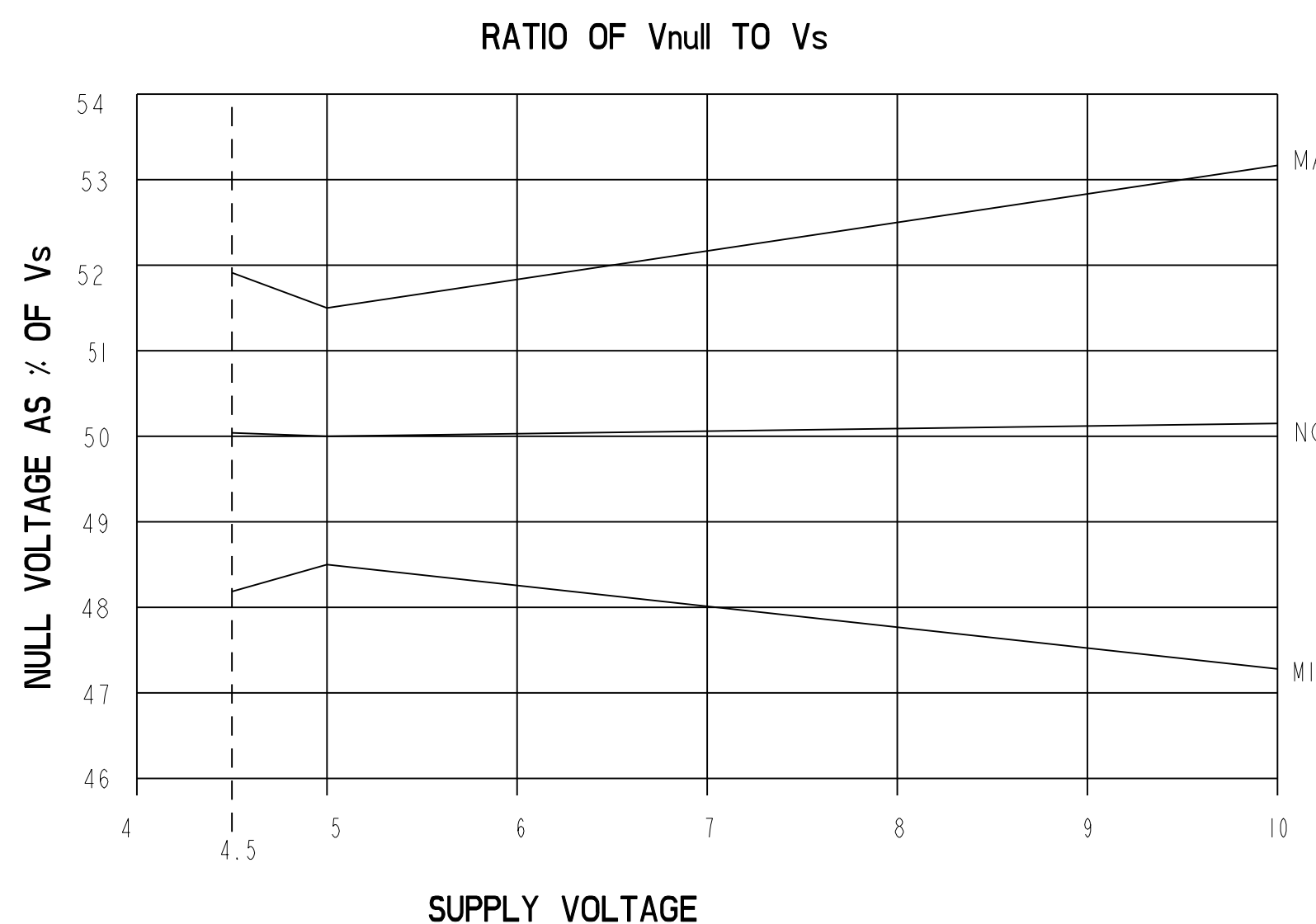
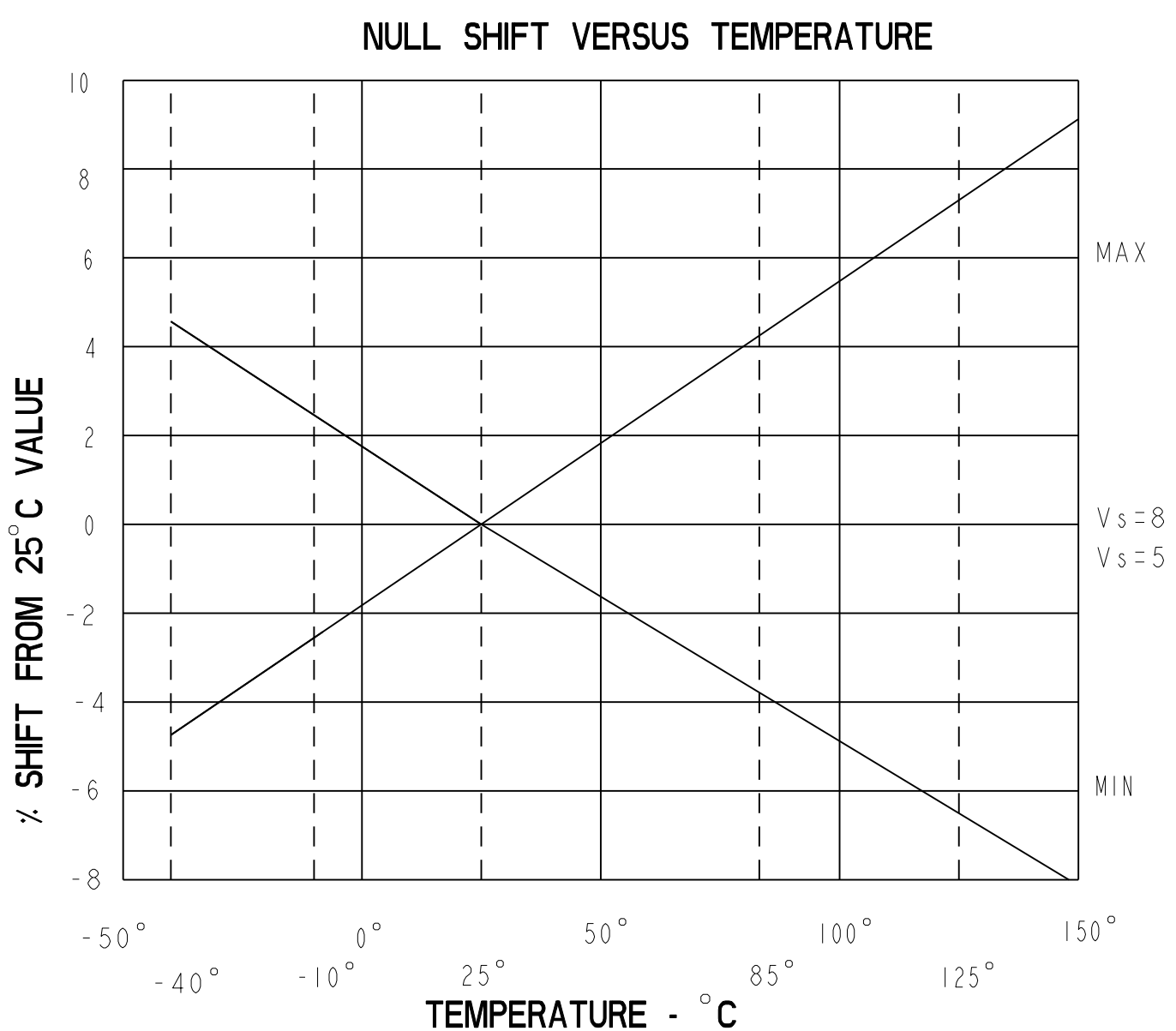
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^\circ\text{C}$	2.969	3.125	3.281	mV/GAUSS
NULL	$T_A = 25^\circ\text{C}$	2.400	2.50	2.600	VOLTS
SUPPLY CURRENT	$T_A = 25^\circ\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
SINK	$V_s > 4.5$	.6mA	1.5mA		
SINK	$V_s > 5.0$	1mA	1.5mA		
RESPONSE TIME			3 $\mu$ 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		-600	-670		GAUSS
+B MAX		+600	+670		GAUSS
$V_{null}$ DRIFT	$B = 0, T_A = 25^\circ\text{C}$ TO $125^\circ\text{C}$	-.07		+.07	% / $^\circ\text{C}$
$V_{null}$ DRIFT	$B = 0, T_A = +125^\circ\text{C}$ TO $+150^\circ\text{C}$	-.08		+.08	% / $^\circ\text{C}$
SENSITIVITY DRIFT	$T_A = +25^\circ\text{C}$ TO $+150^\circ\text{C}$	-.02		+.06	% / $^\circ\text{C}$
SENSITIVITY DRIFT	$T_A = -40^\circ\text{C}$ TO $+25^\circ\text{C}$	-.01		+.07	% / $^\circ\text{C}$
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	$^\circ\text{C}$
	$T_s$	STORAGE ( $V_{cc}=0$ )	-55	165	$^\circ\text{C}$



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**MICRO SWITCH**  
a Honeywell Division

**MINIATURE RATIO-METRIC LINEAR HALL EFFECT SENSOR**

SS495 SERIES CHART 1

CATALOG LISTING

ONE PLACE	(.0)	+ .030
TWO PLACE	(.00)	+ .015
THREE PLACE	(.000)	+ .005
ANGLES		+ 2°
WEIGHT		

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ANSI Y14.5M-1982 APPLIES

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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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