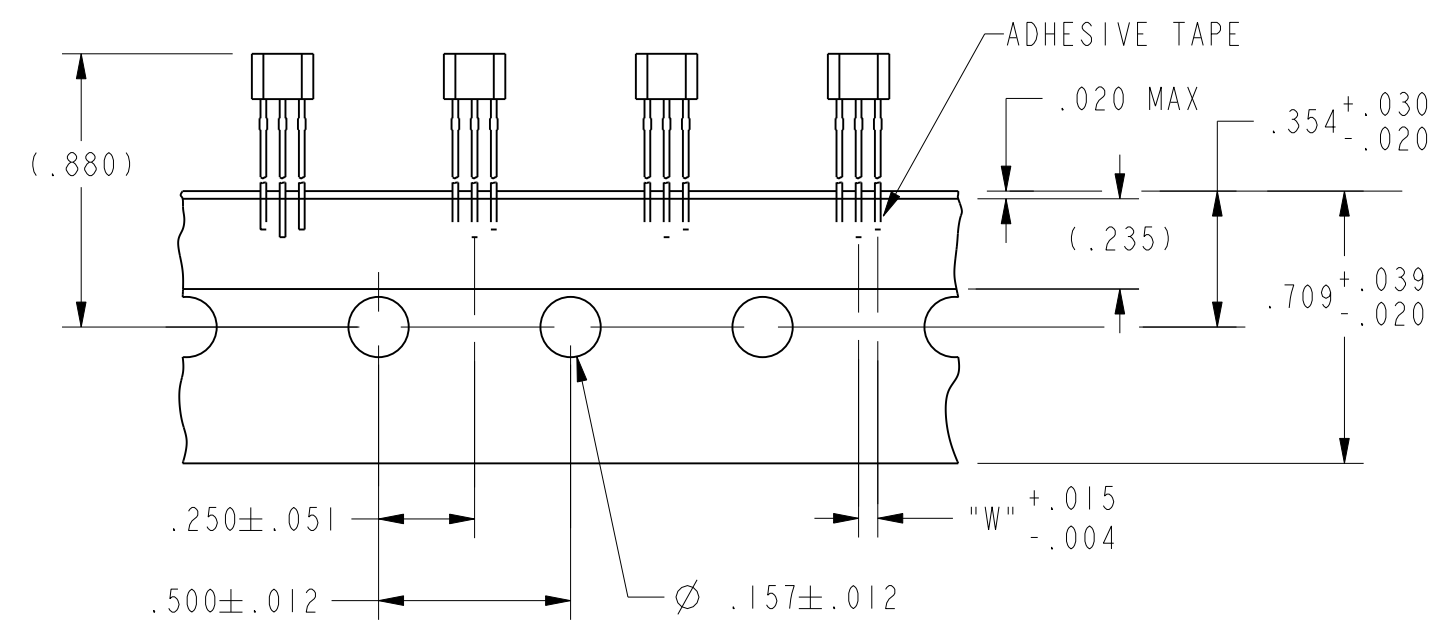
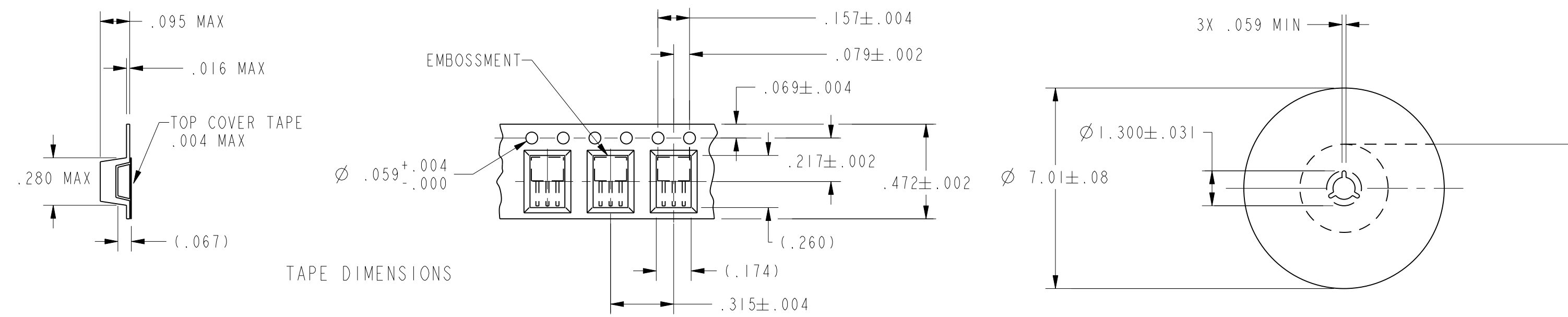


TAPE STYLE

TAPE DIMENSIONS

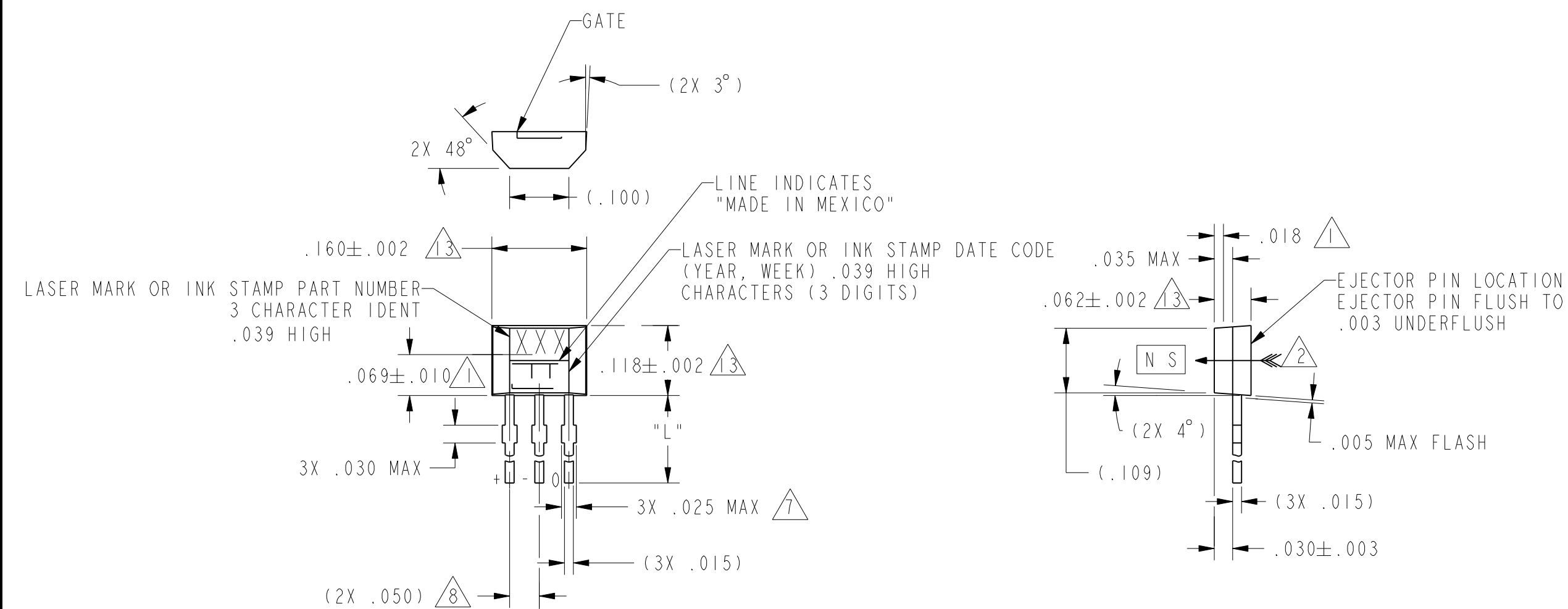


TAPE DIMENSIONS

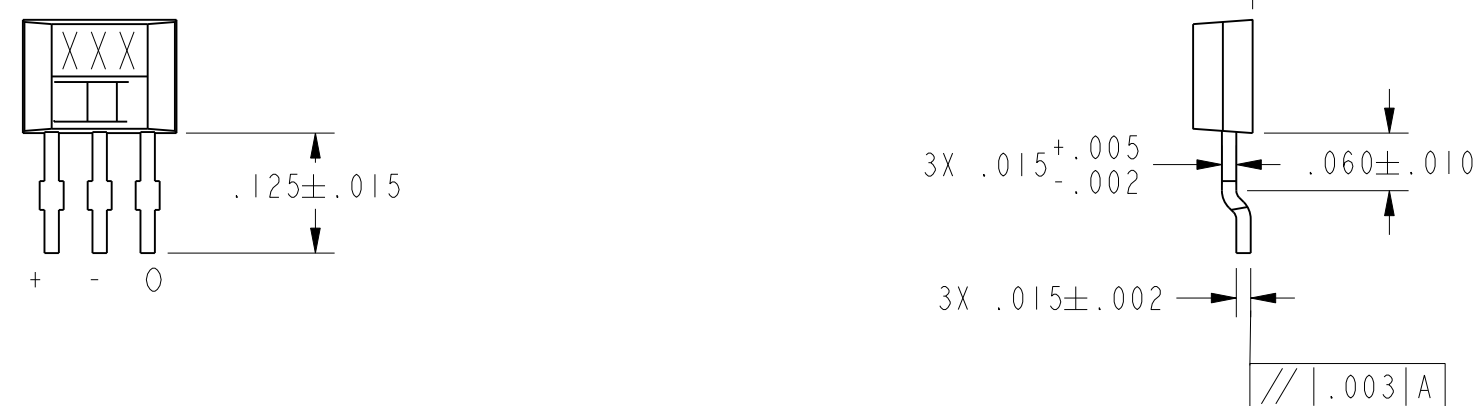


TAPE DIMENSIONS

TAPE STYLE "P" 



OPTIONAL SURFACE MOUNT LEAD STYLE



A schematic diagram of a folded switch assembly. It shows a horizontal strip with a series of vertical segments. The first segment is labeled "SWITCH 1" and the last segment is labeled "SWITCH 24". A horizontal line across the middle of the strip is labeled "FOLD".

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 Ø.023 HOLE. LEAD REFERENCE DIMENSIONS DO NOT INCLUDE SOLDER THICKNESS

8 DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE

9 - SOME COMBINATIONS OF BASIC LISTING AND PACKAGE OPTIONS MAY NOT BE AVAILABLE

10 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

11 LEAD STRAIGHTNESS MAY BE DETERIORATED ON SOME UNITS BY BULK PACKAGING. APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION

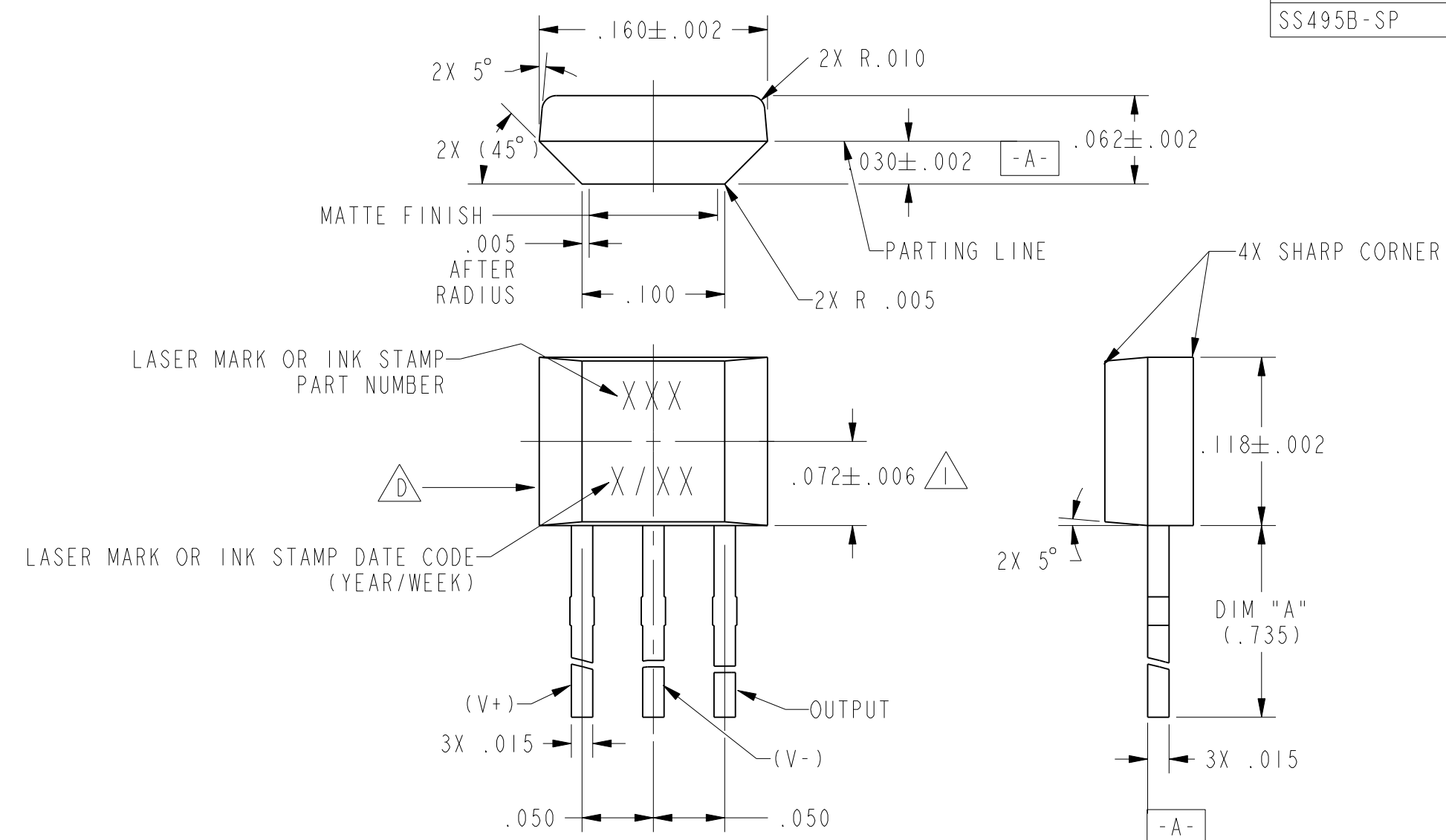
12 AMMOPACK STYLE "T2" & "T3". 24 SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "FAN FOLD"

13 MOLDED PART DIMENSIONS DO NOT INCLUDE FLASH. FLASH IS LIMITED TO .005 MAX

14 TAPE AND AMMOPACK PER EIA-468

15 POCKET TAPE PER EIA-481

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	



LEAD STYLES L ONLY
SCALE 10:1



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MICRO SWITCH
a Honeywell Division

MINIATURE RATIOMETRIC LINEAR HALL EFFECT SENSOR

	CATALOG LISTING
	SS495 SERIES CHART 1

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		+ 2°
WEIGHT		

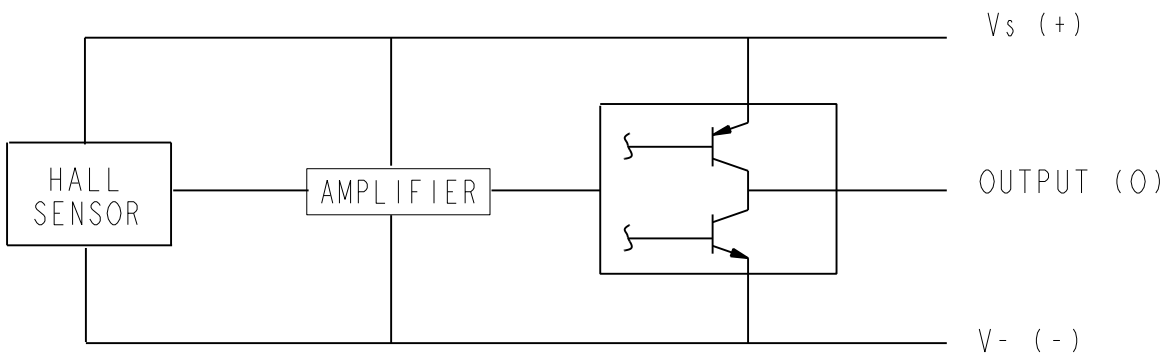
CHARACTERISTICS ARE AT V_s 5.00 WITH 4.7K OUTPUT TO MINUS WITH T_A -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495A

MSS495 SERIES CHART 1

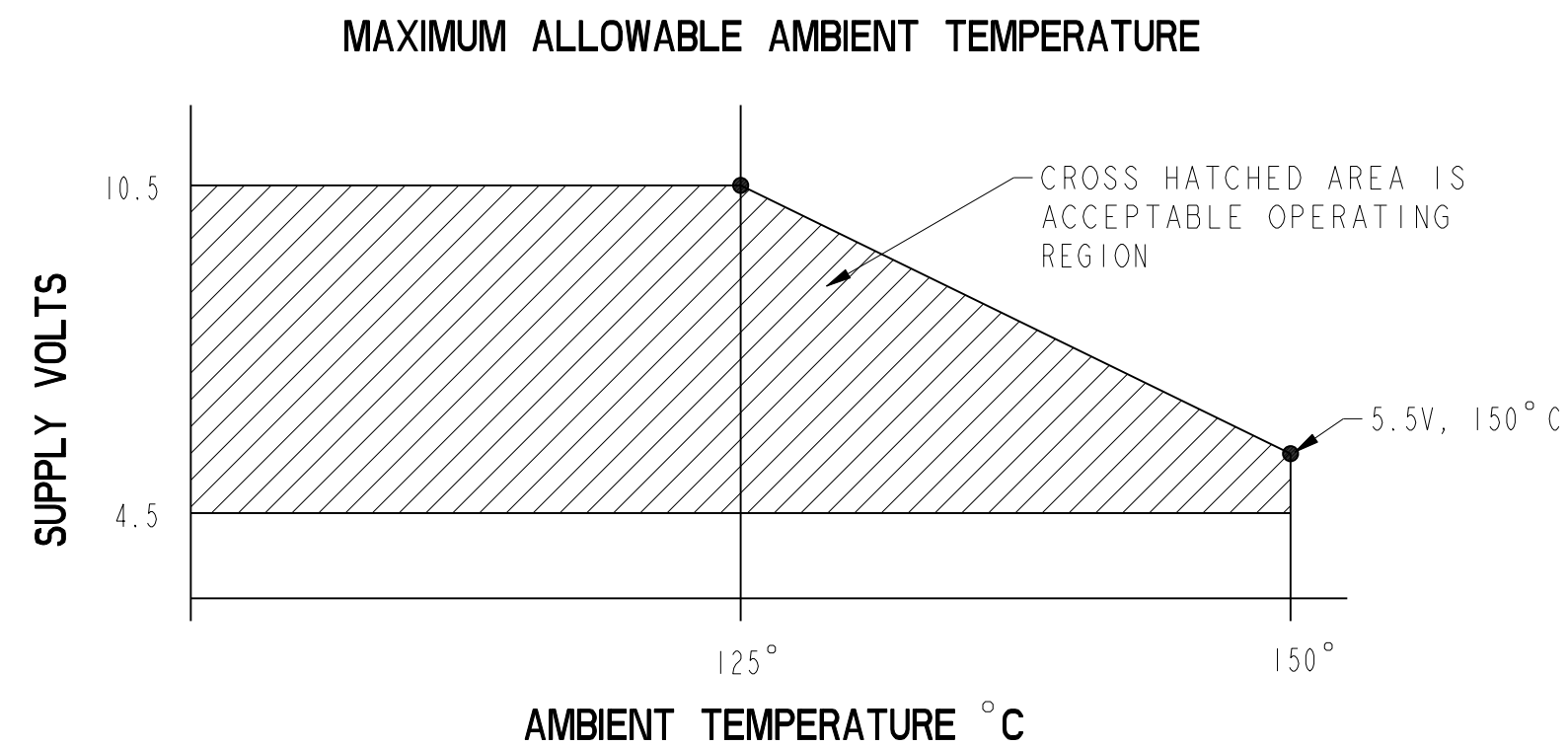
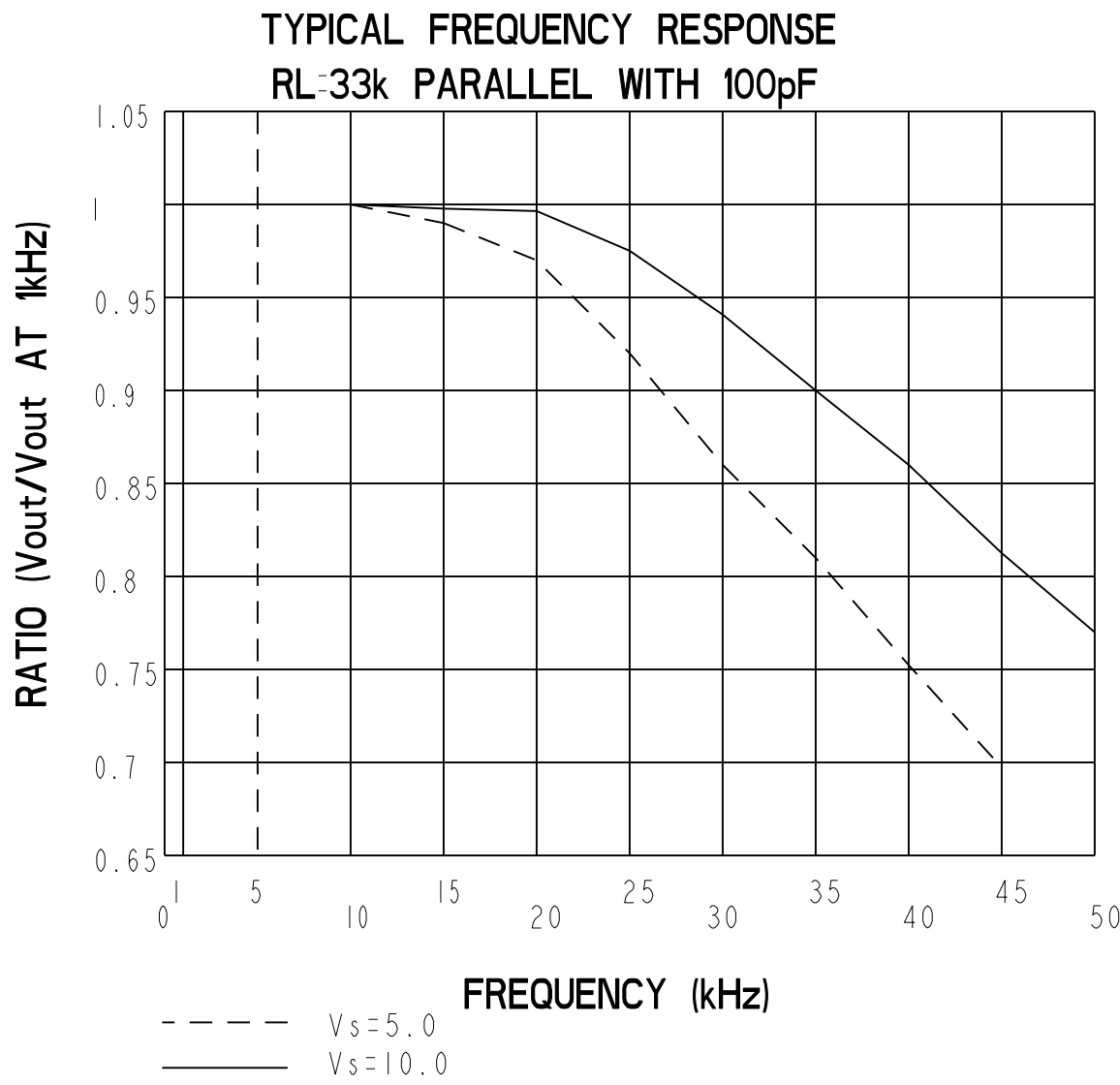
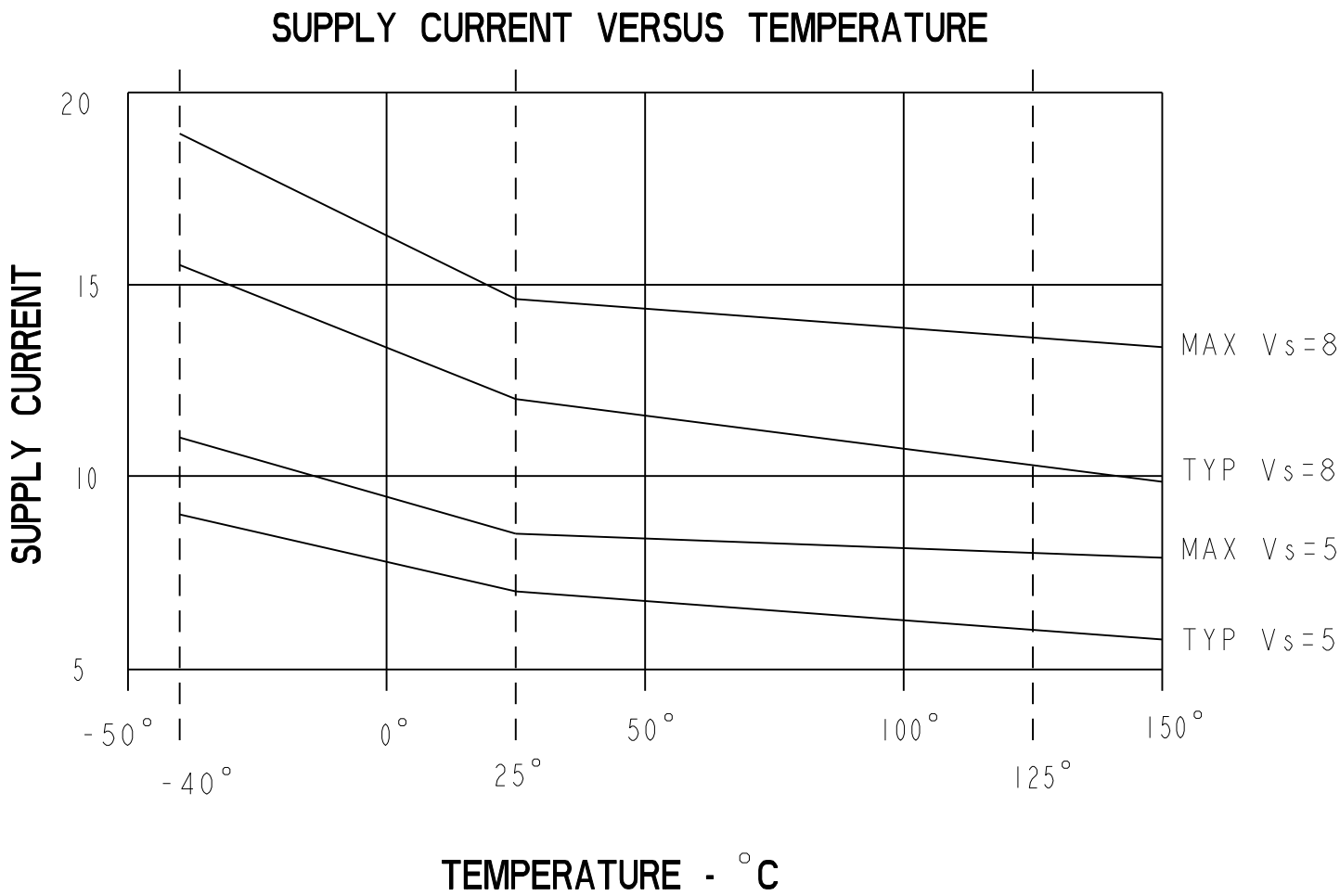
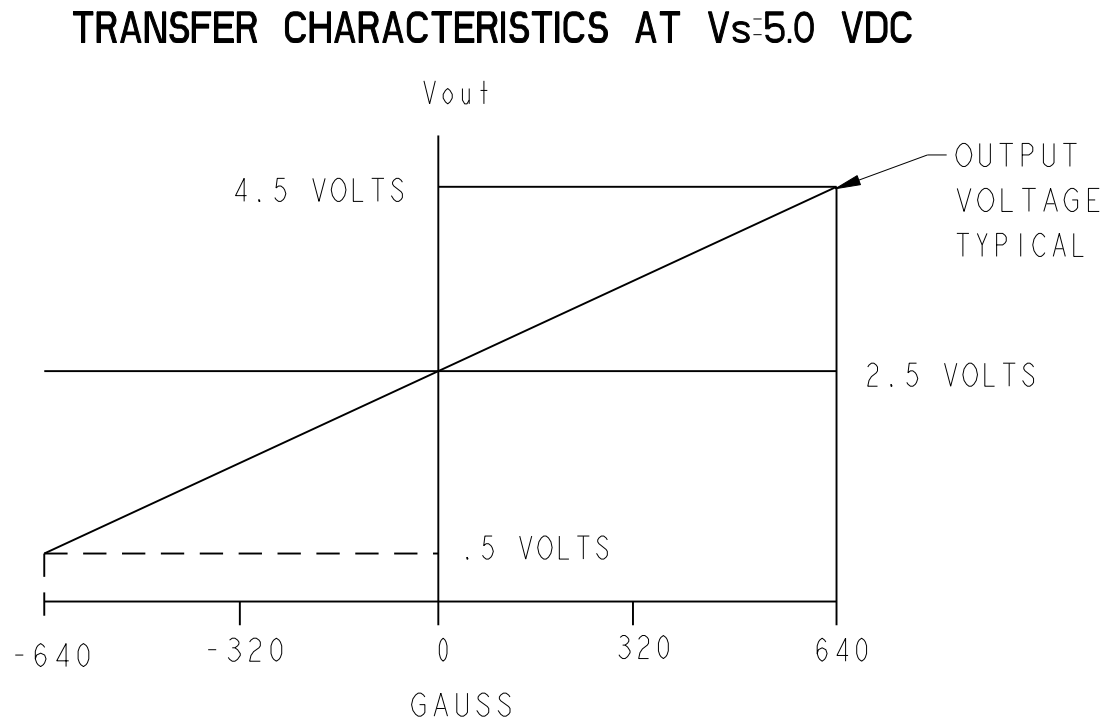
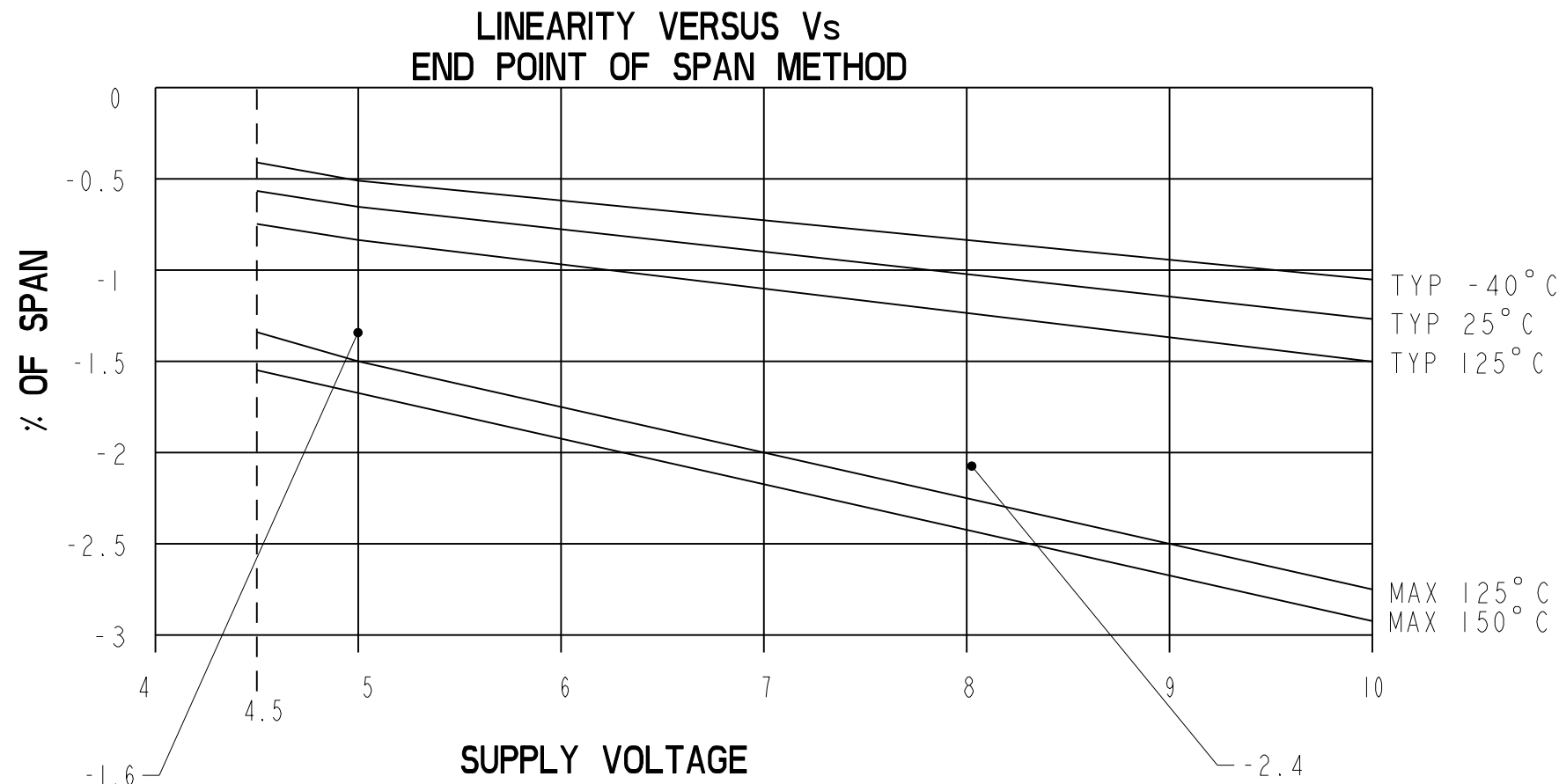
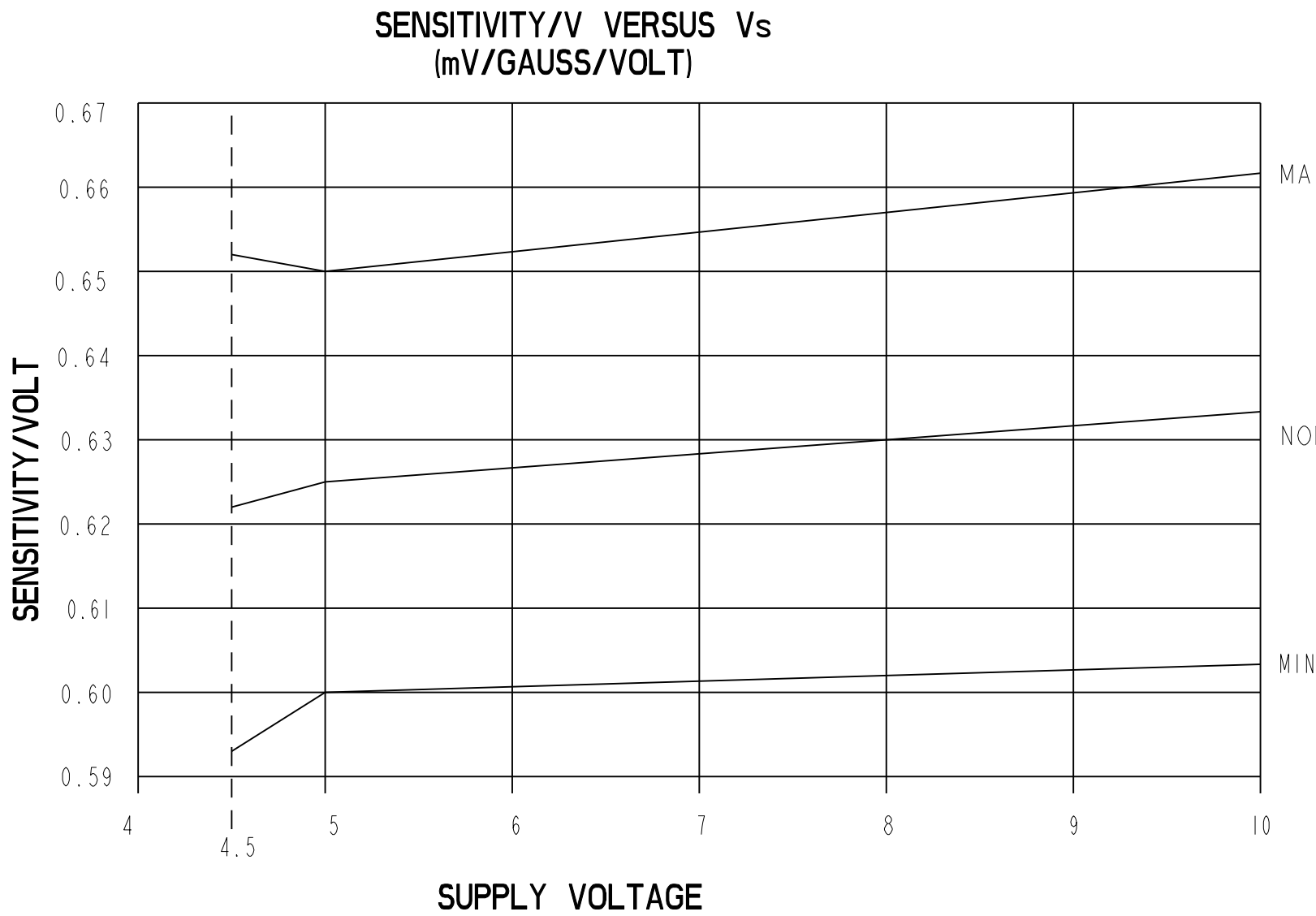
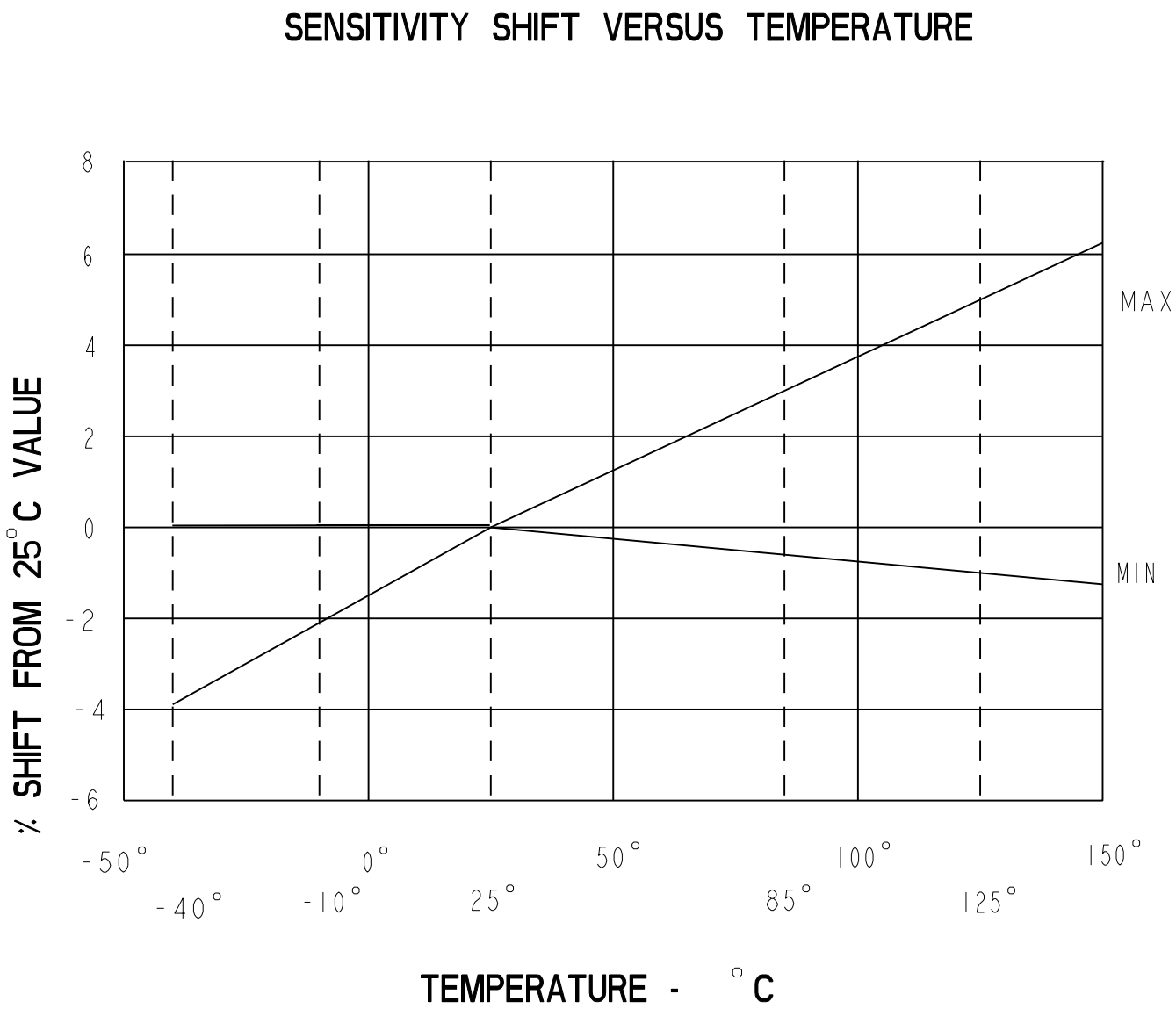
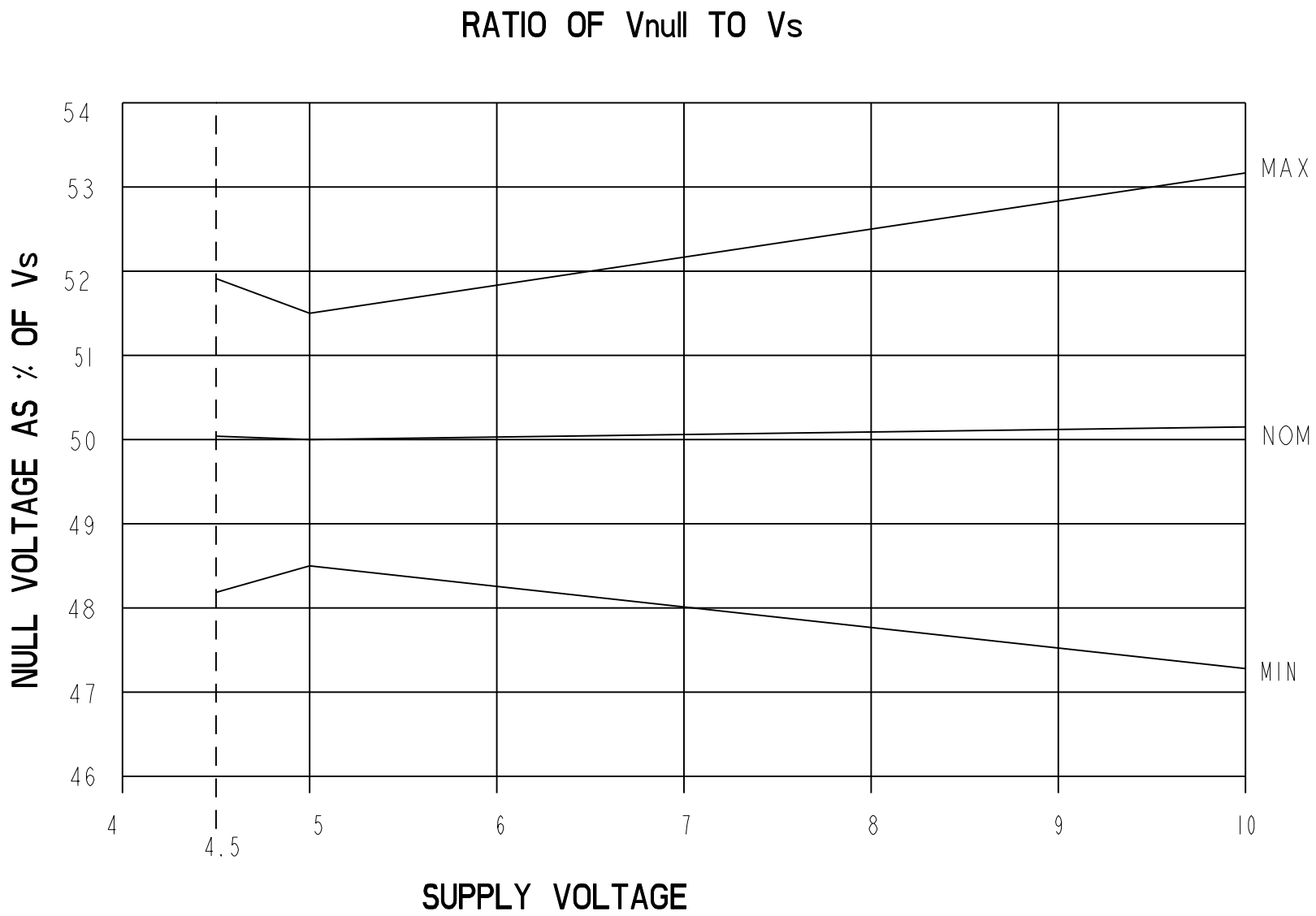
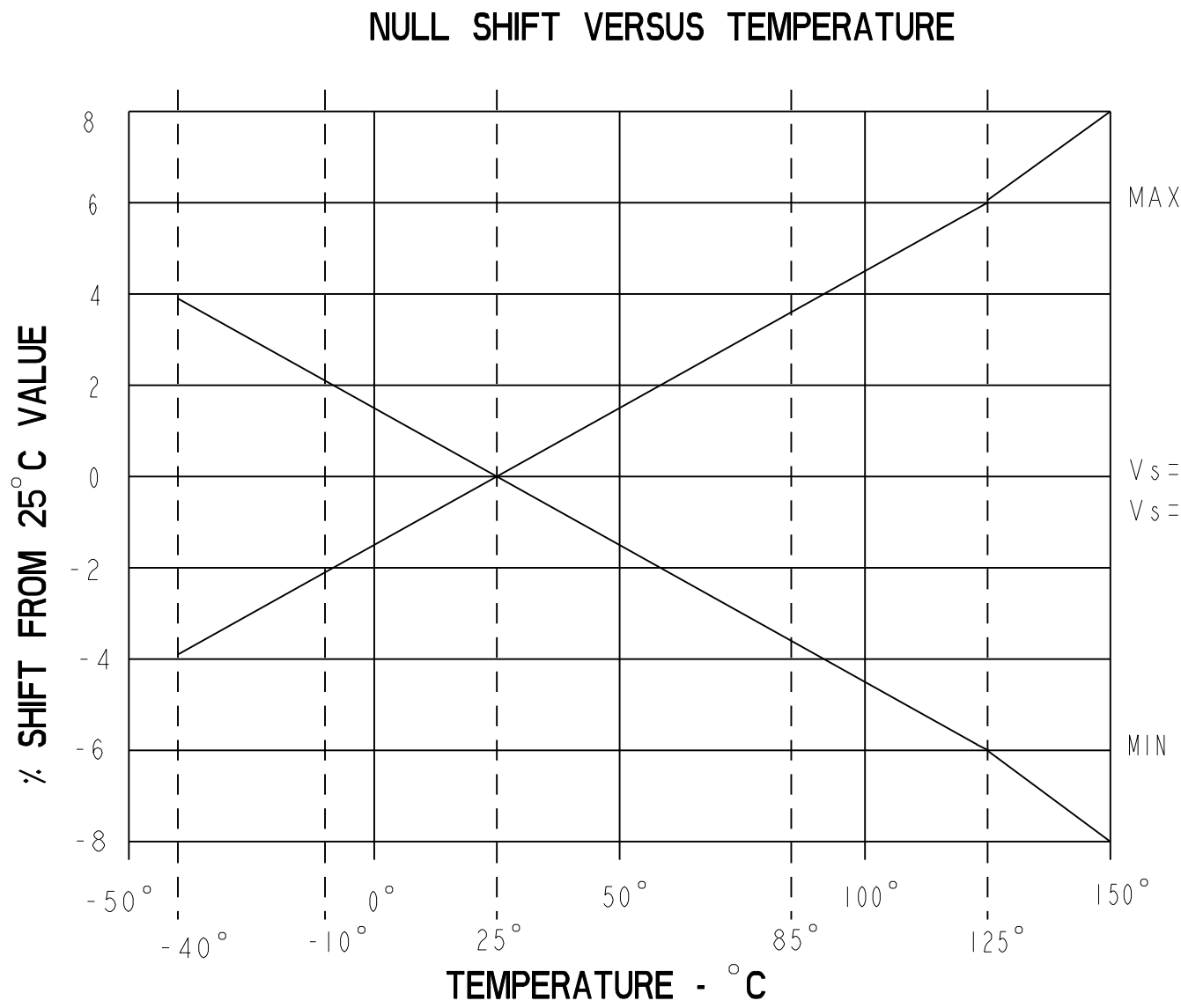
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^\circ\text{C}$	3.00	3.125	3.25	mV/GAUSS
NULL	$T_A = 25^\circ\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^\circ\text{C}$		7	8.7	mA
OUTPUT CURRENT	SOURCE	$V_s > 4.5$	1mA	1.5mA	
	SINK	$V_s > 4.5$	.6mA	1.5mA	
	SINK	$V_s > 5.0$	1mA	1.5mA	
RESPONSE TIME			3μS		
OUTPUT VOLTAGE SWING	VOM -				
	VOM +				
B LIMITS FOR LINEAR OPERATION	-B APPLIED	.4	.2		VOLTS
	+B APPLIED	$V_s - .4$	$V_s - .2$		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-600	-670		GAUSS
B LIMITS FOR LINEAR OPERATION	+B MAX	+600	+670		GAUSS
Vnull DRIFT	$B = 0, T_A = 25^\circ\text{C TO } 125^\circ\text{C}$	-.06		+.06	% / °C
Vnull 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°C TO +125°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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MICRO SWITCH
a Honeywell Division

**MINIATURE RATIONOMETRIC
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	

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	

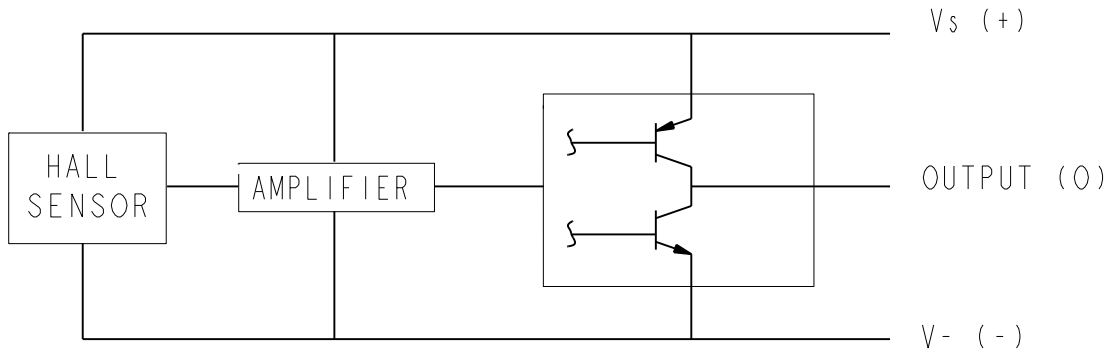
CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA= -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495B

SS495 SERIES CHART 1

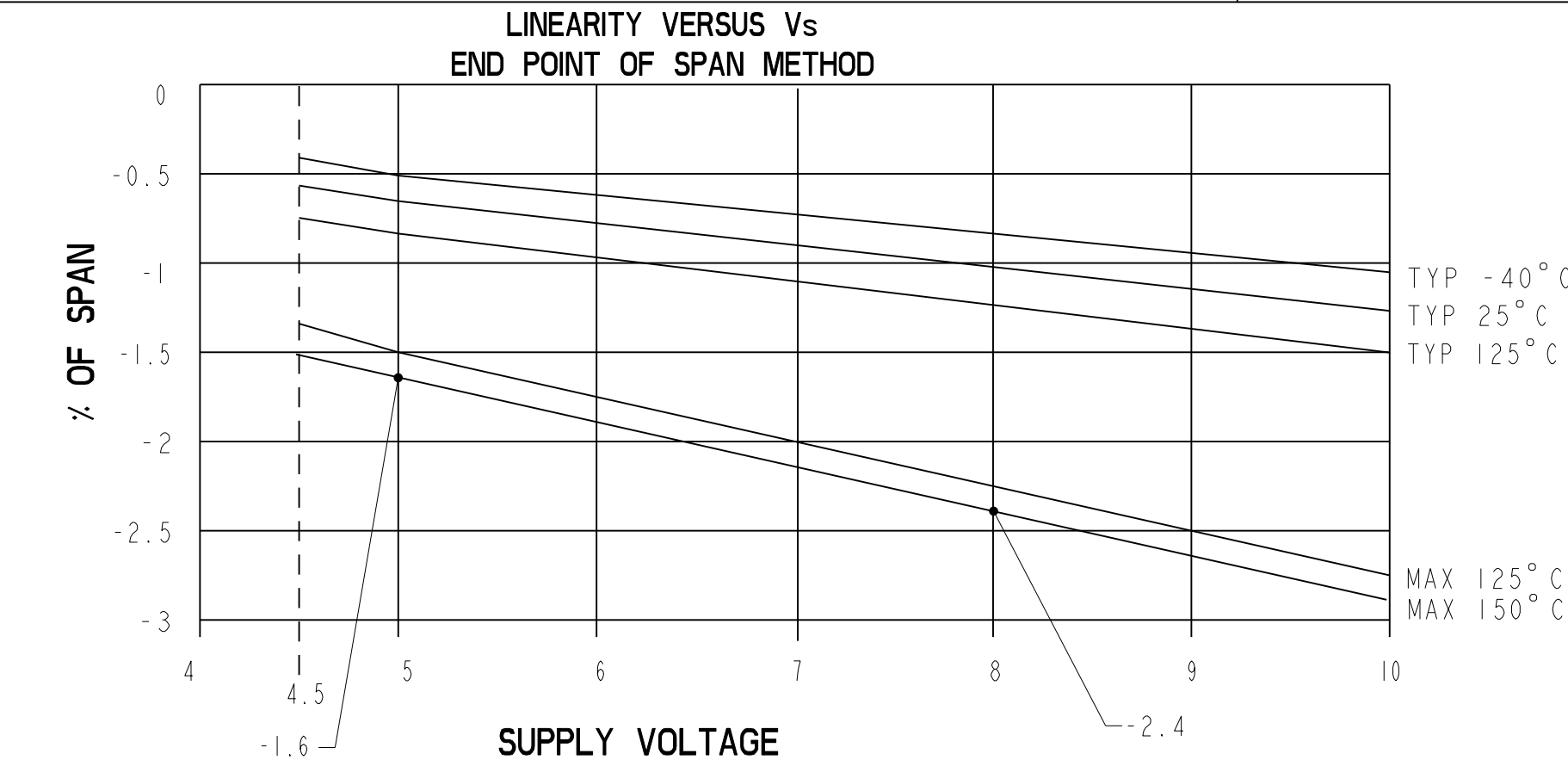
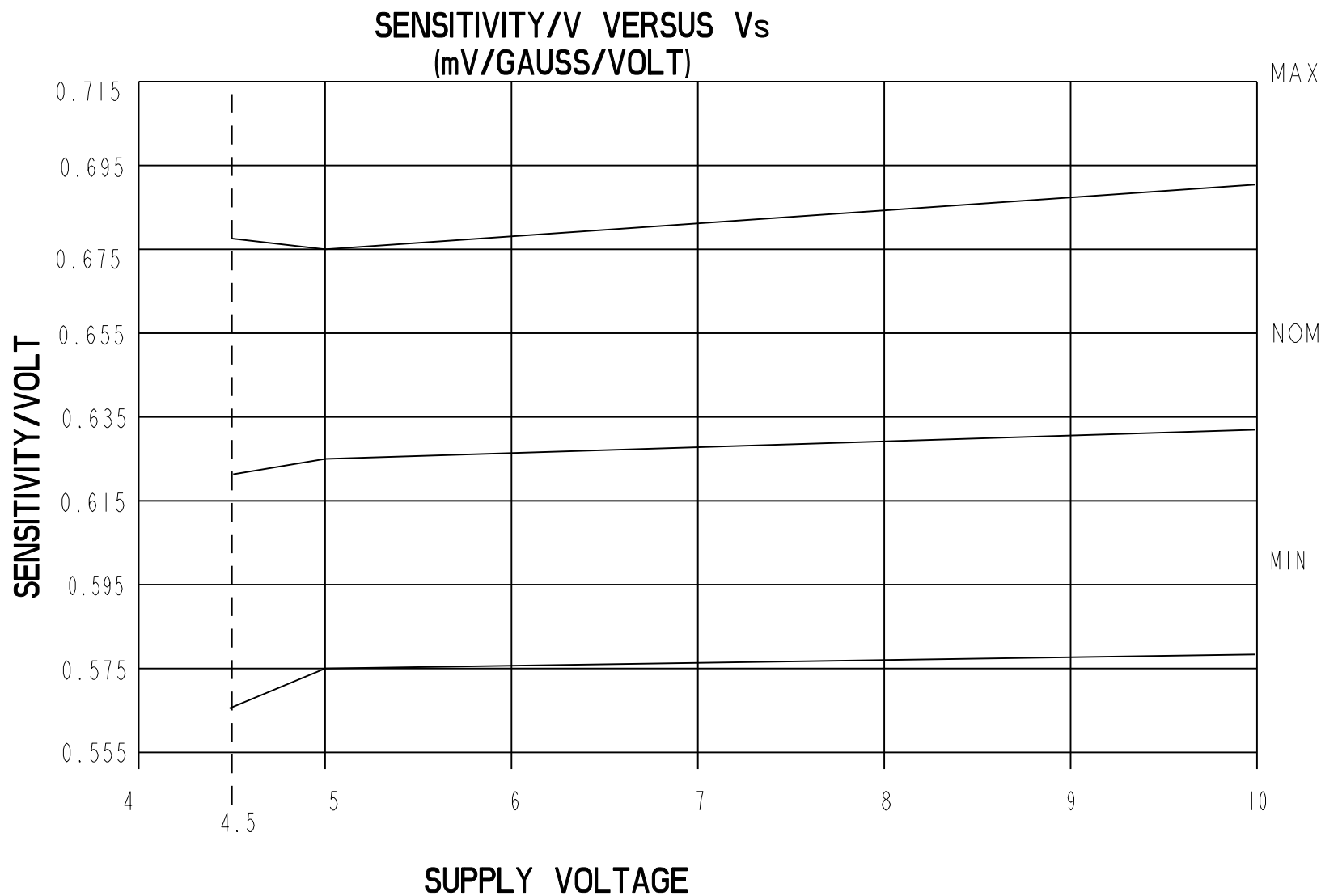
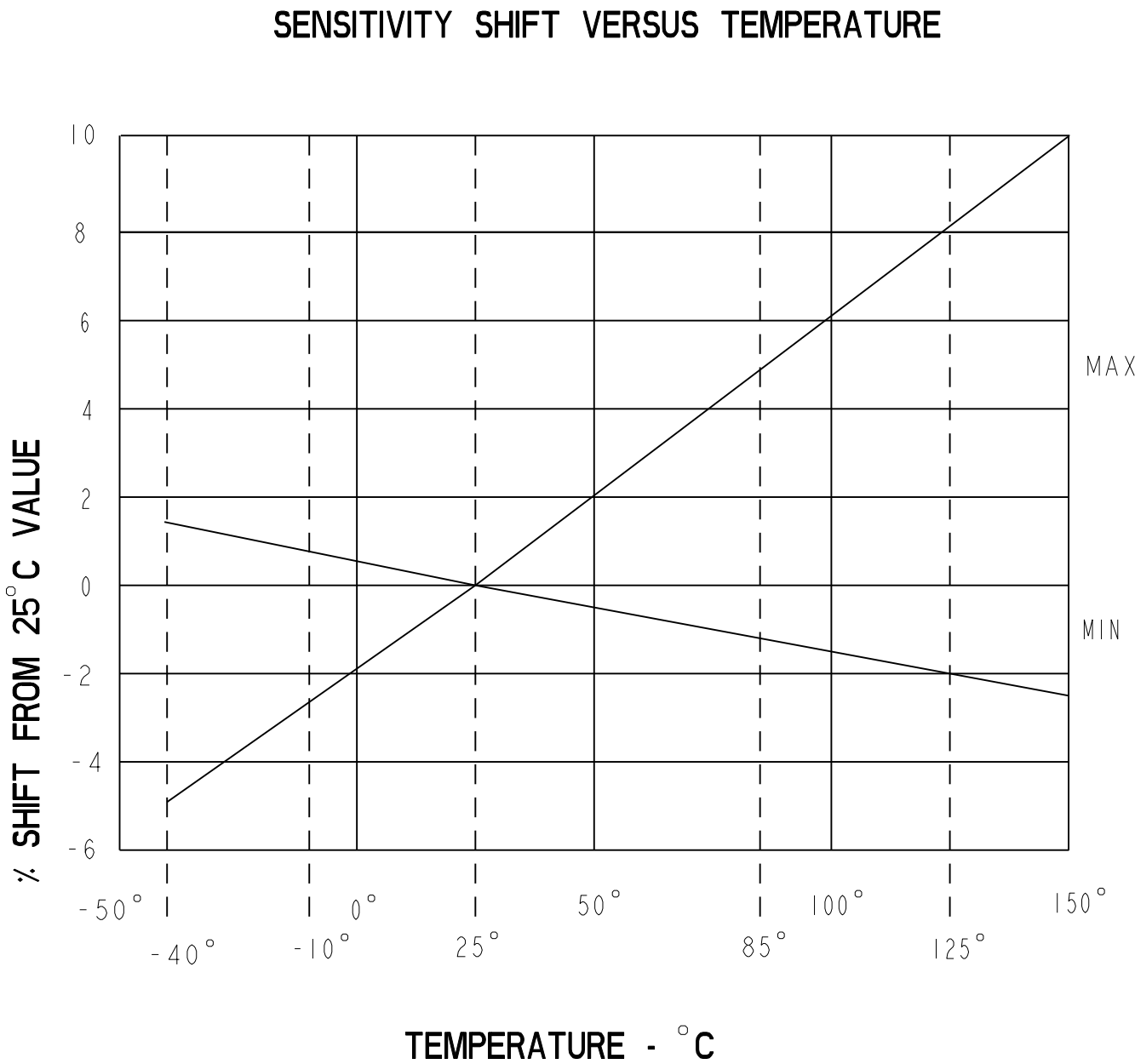
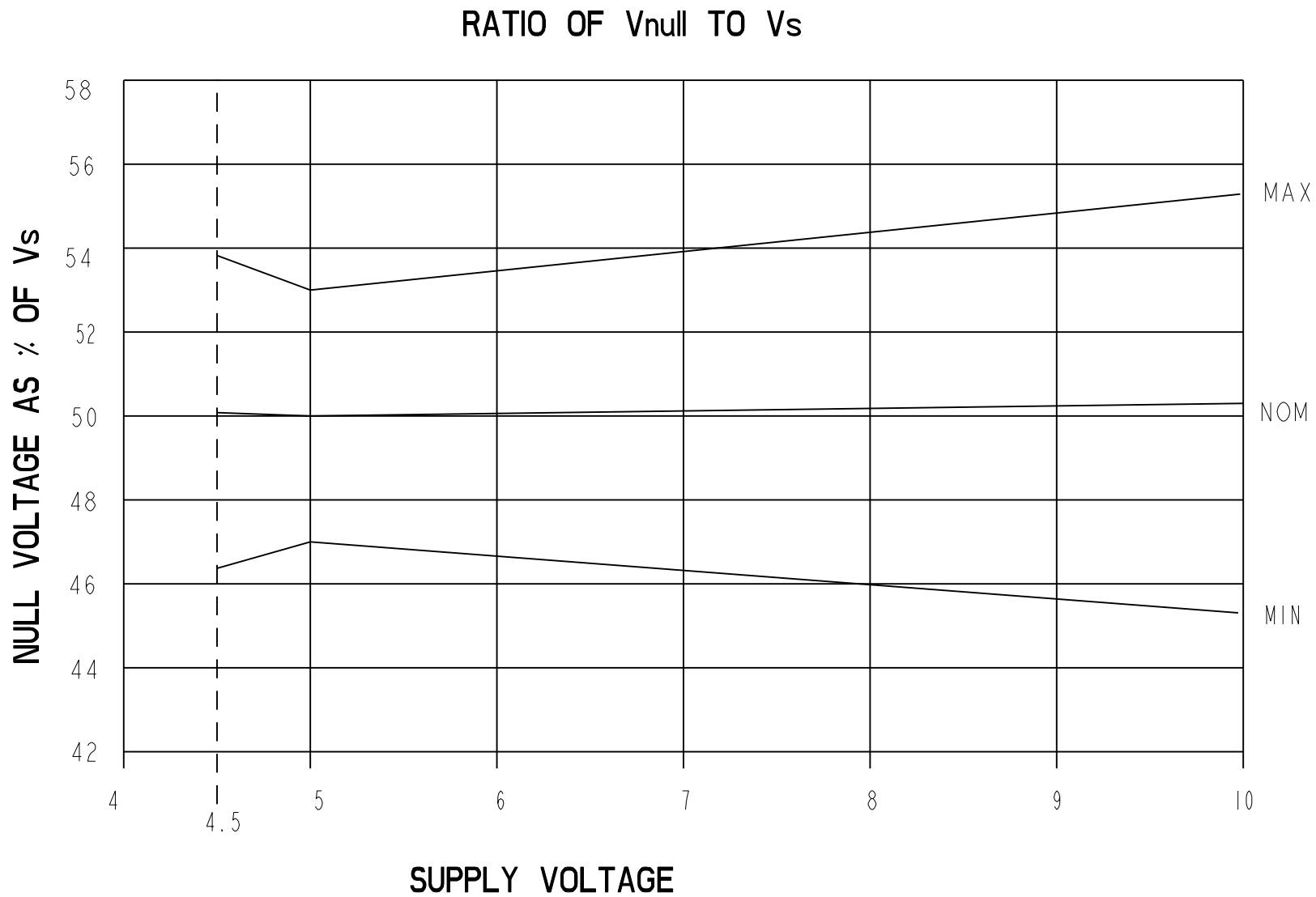
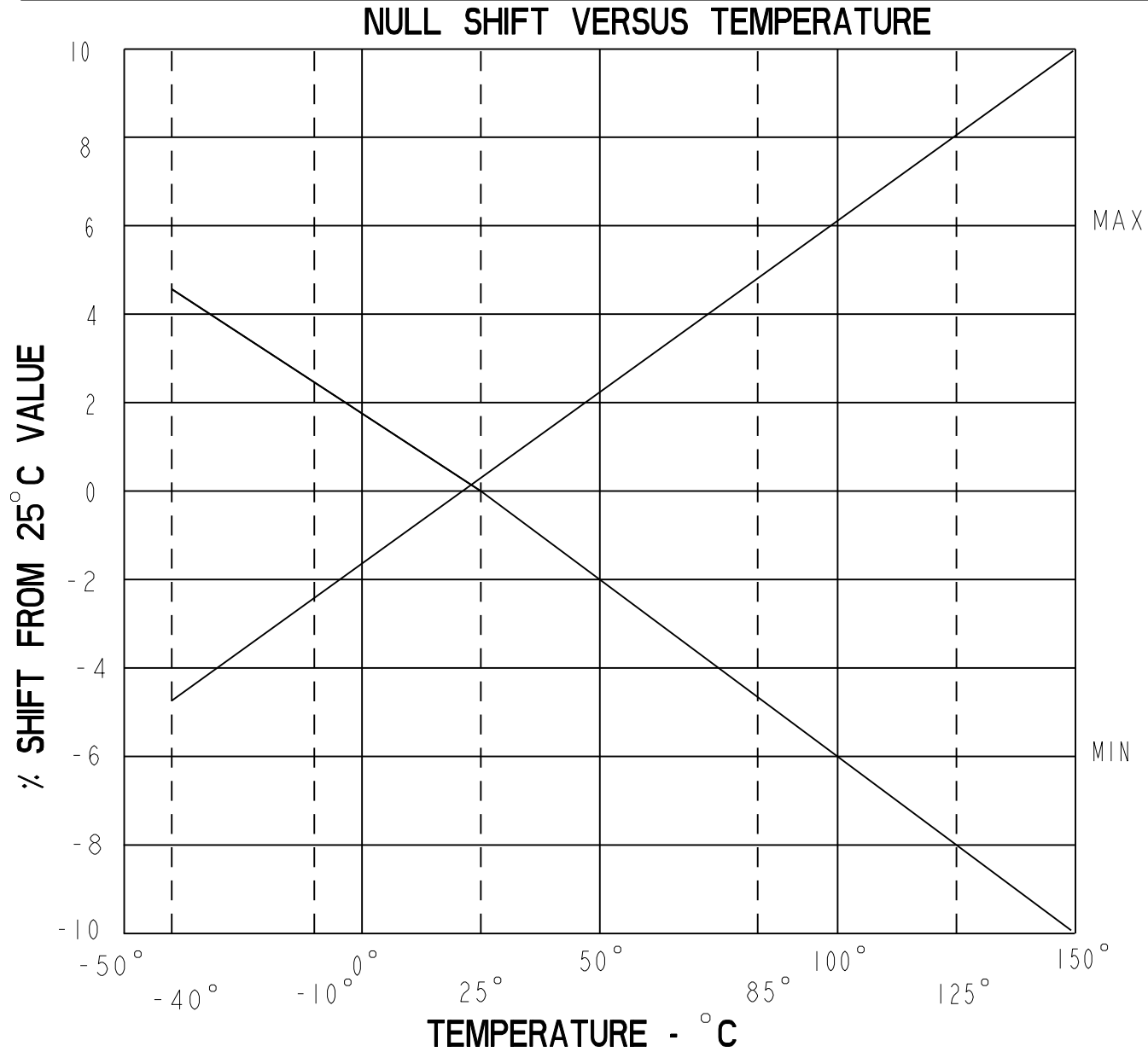
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	TA = 25°C	2.875	3.125	3.375	mV/GAUSS
NULL	TA = 25°C	2.35	2.50	2.650	VOLTS
SUPPLY CURRENT	TA = 25°C		7	8.7	mA
OUTPUT CURRENT SOURCE	Vs > 4.5	1mA	1.5mA		
SINK	Vs > 4.5		1.5mA		
SINK	Vs > 5.0	1mA	1.5mA		
RESPONSE TIME			3μs		
OUTPUT VOLTAGE SWING					
VOM -	-B APPLIED	.4	.2		VOLTS
VOM +	+B APPLIED	Vs - .4	Vs - .2		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-600	-670		GAUSS
	+B MAX	+600	+670		GAUSS
Vnull DRIFT	B = 0, TA = 25°C TO 125°C	-.08		+.08	% / °C
Vnull DRIFT	B = 0, TA = +125°C TO +150°C	-.08		+.08	% / °C
SENSITIVITY DRIFT	TA=+25°C TO +150°C	-.02		+.08	% / °C
SENSITIVITY DRIFT	TA=-40°C TO +25°C	-.02		+.08	% / °C
LINEARITY	B = -600 TO +600	0	-1.0	-1.5	% OF SPAN
SUPPLY VOLTAGE	-40°C TO +125°C	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	°C

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT

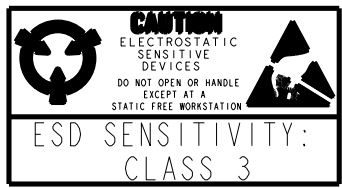
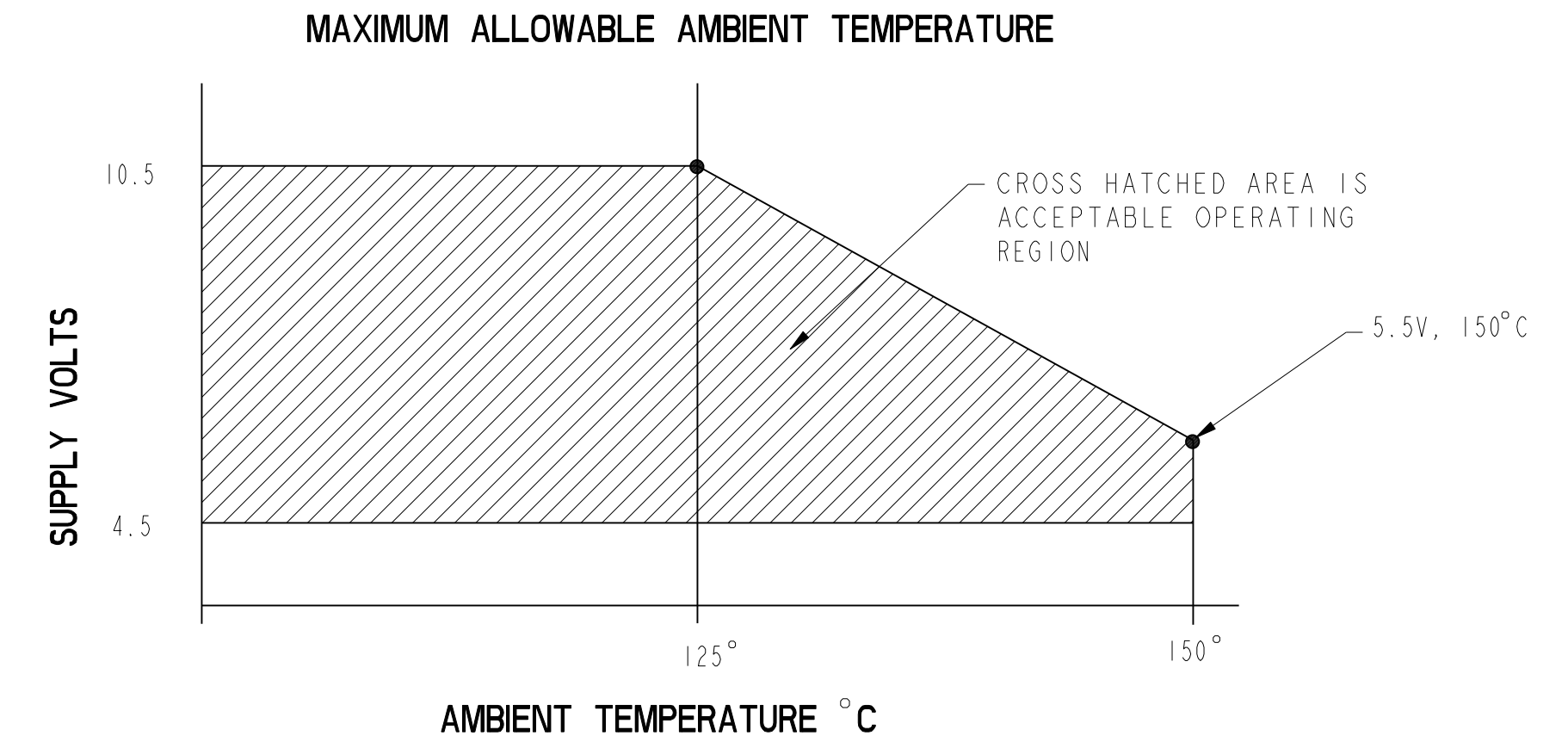
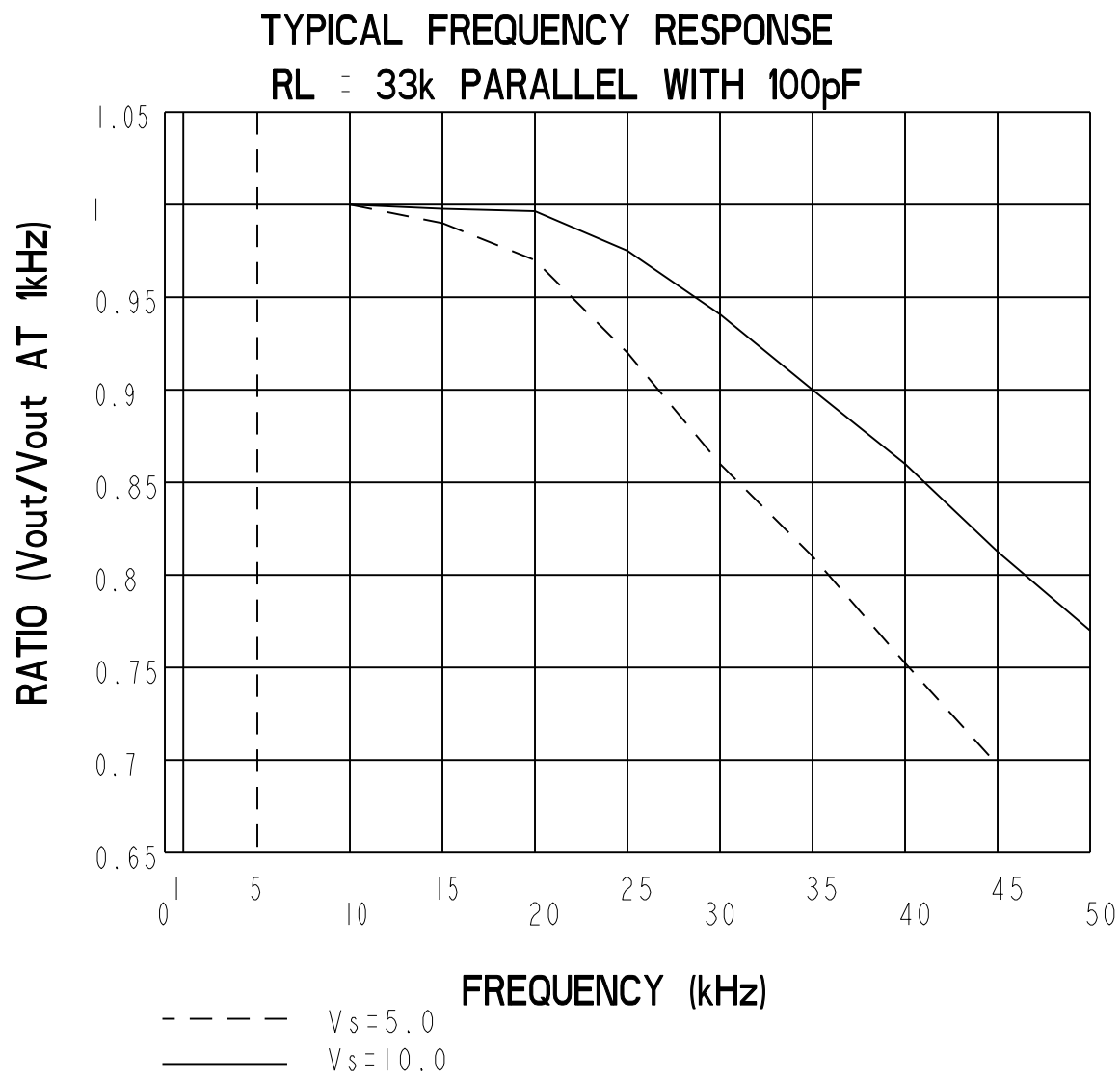
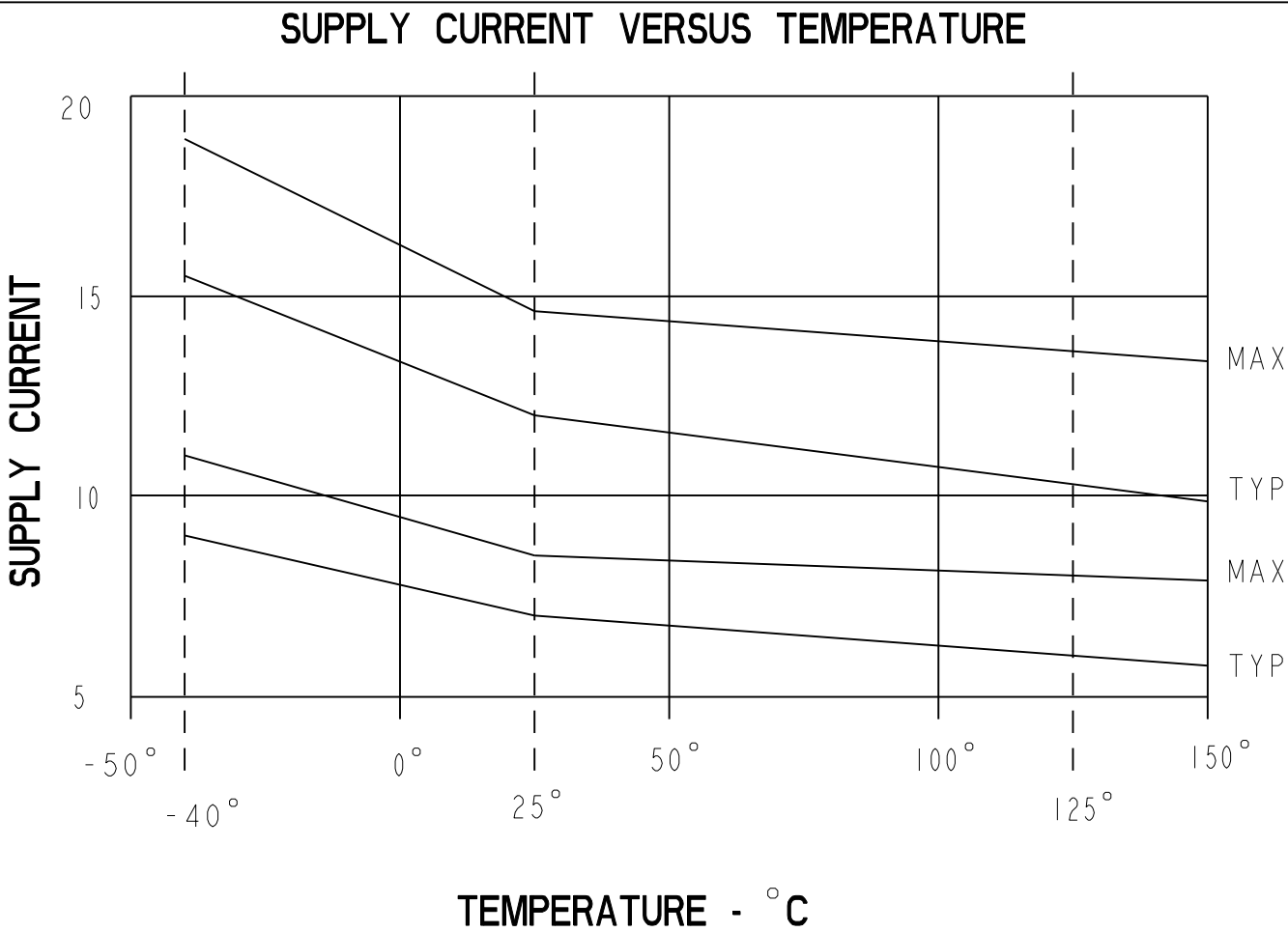
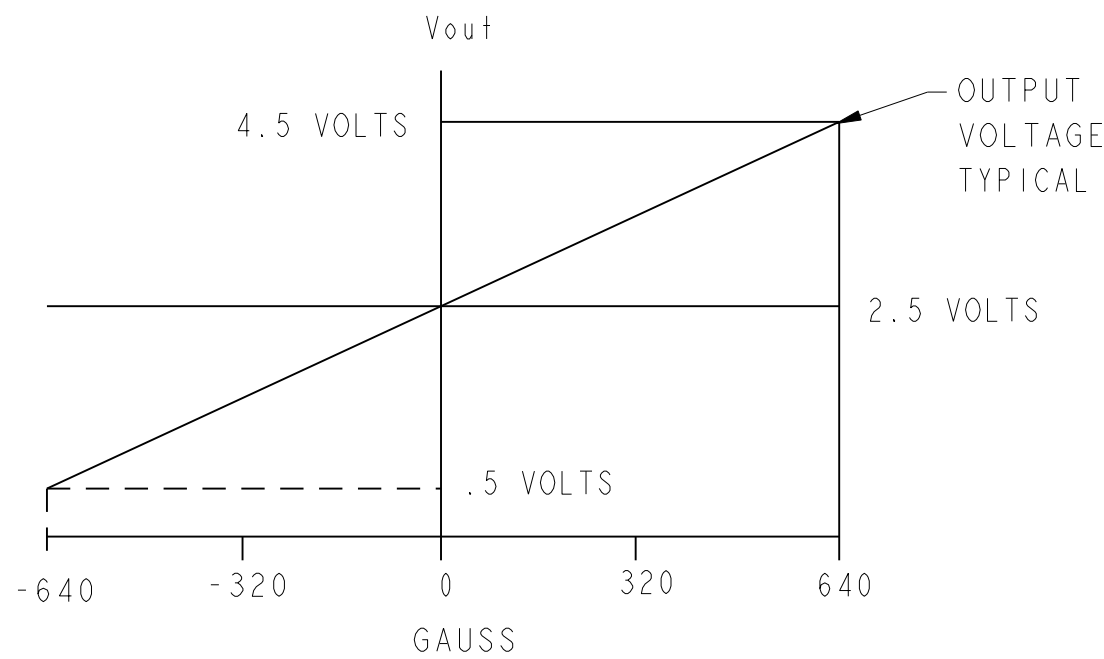


ABSOLUTE MAXIMUM CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	Vcc		-0.5	11	V
OUTPUT VOLTAGE	Vout		-0.5	11	V
OUTPUT CURRENT	Iout	SOURCE OR SINK	10		mA
TEMPERATURE	TA	OPERATING	-55	150	°C
	Ts	STORAGE (Vcc=0)	-55	165	°C



TRANSFER CHARACTERISTICS AT Vs = 5.0 VDC



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CATALOG LISTING

SS495 SERIES CHART 1

MINIATURE RATIONETRIC
LINEAR HALL EFFECT SENSOR

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	