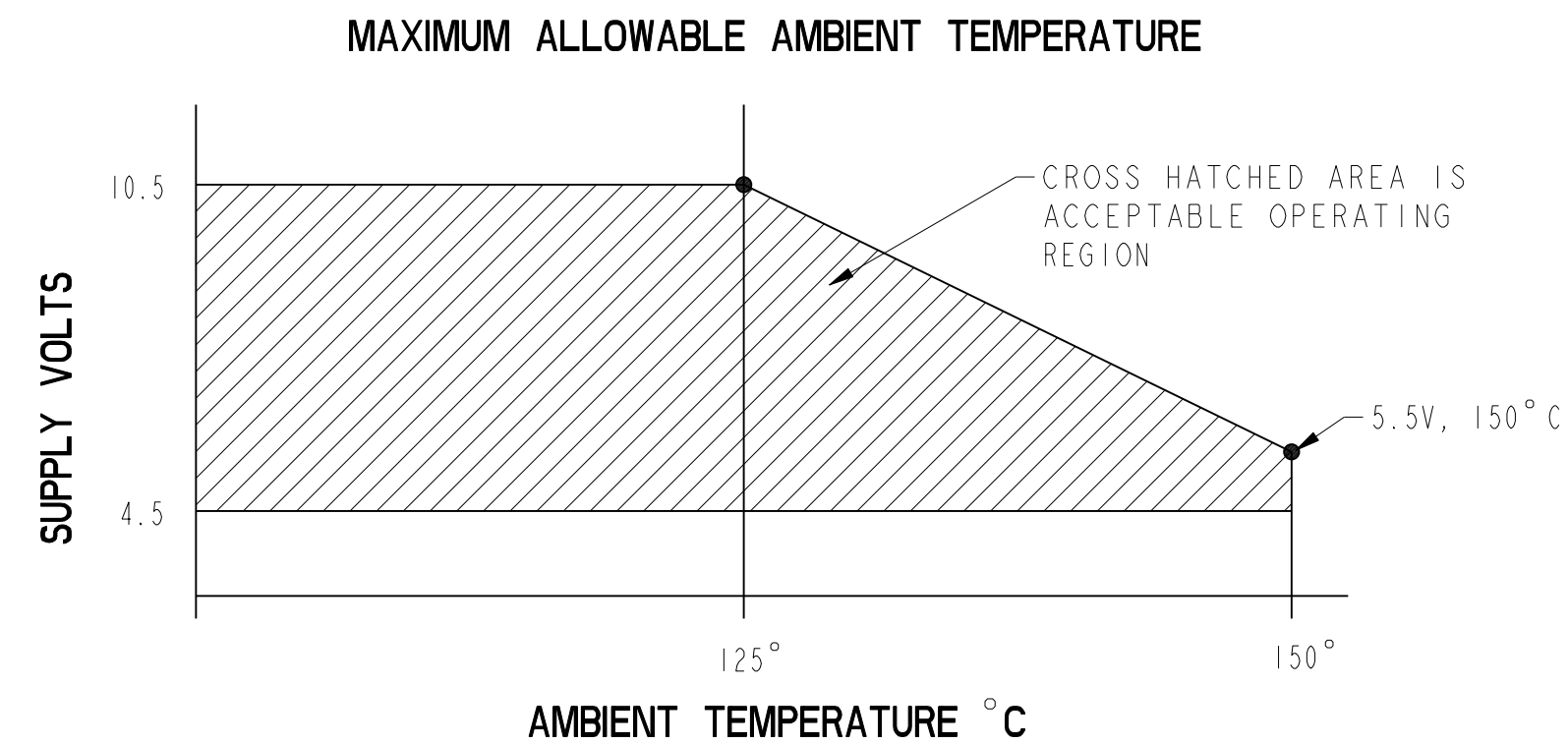
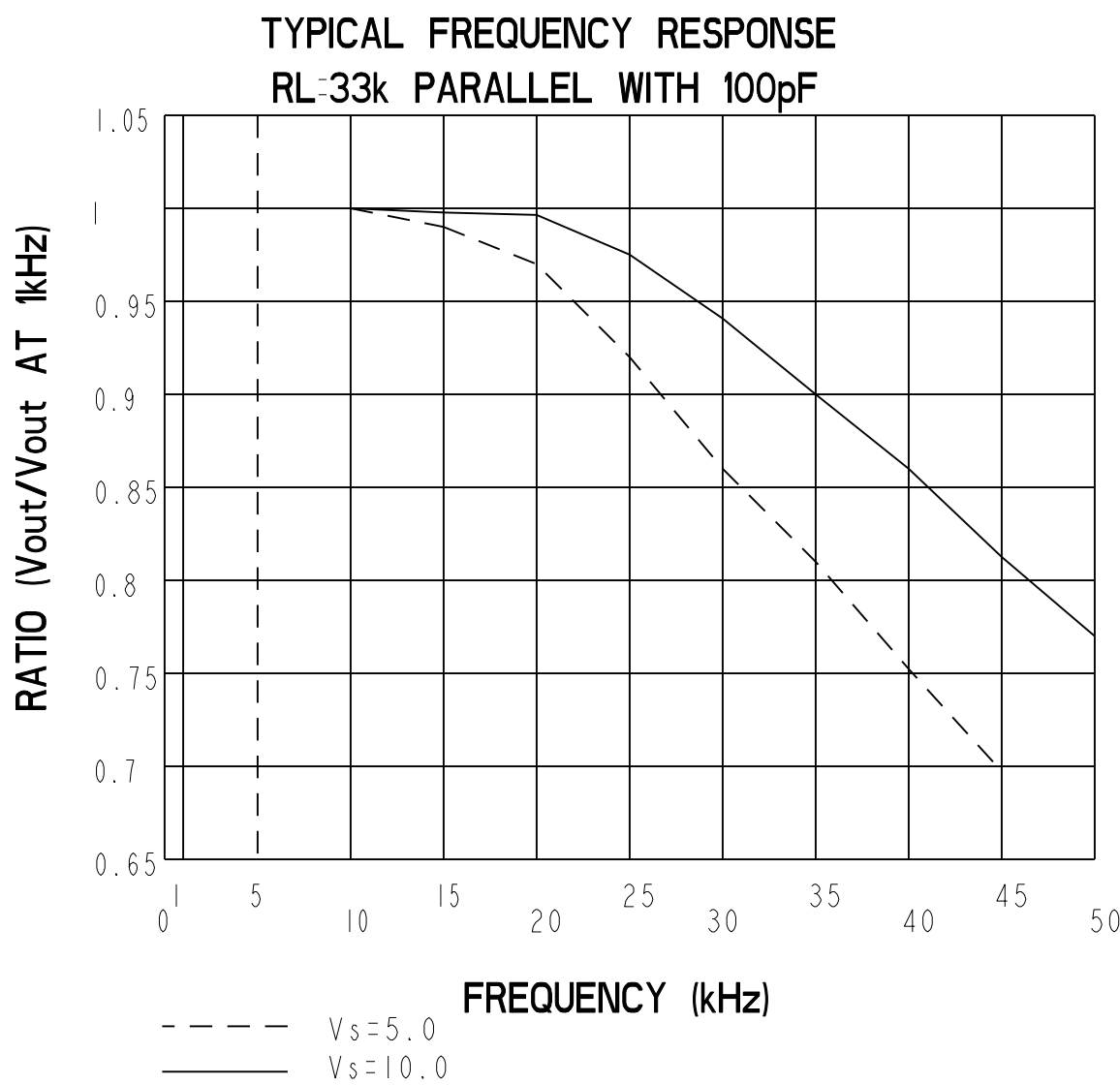
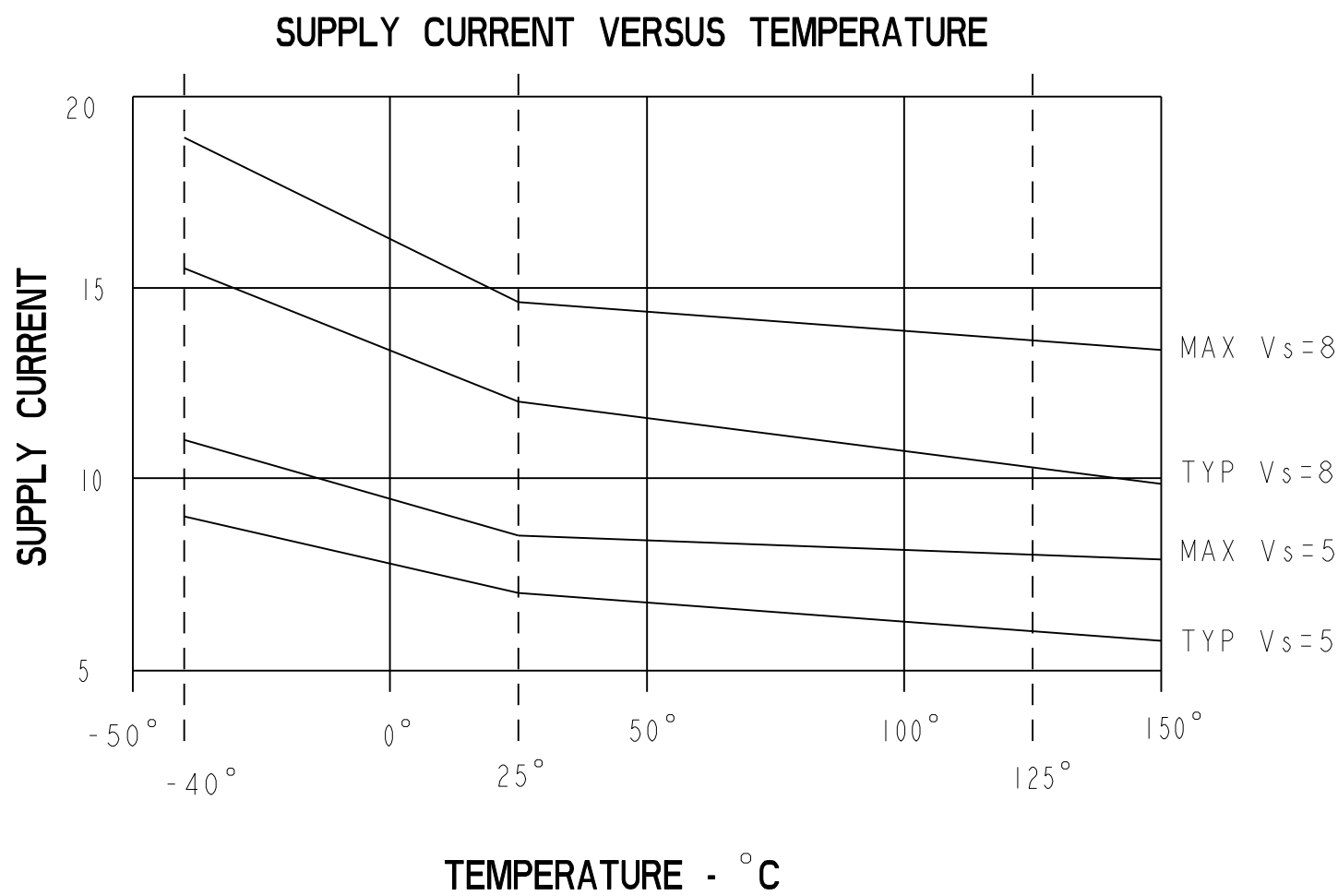
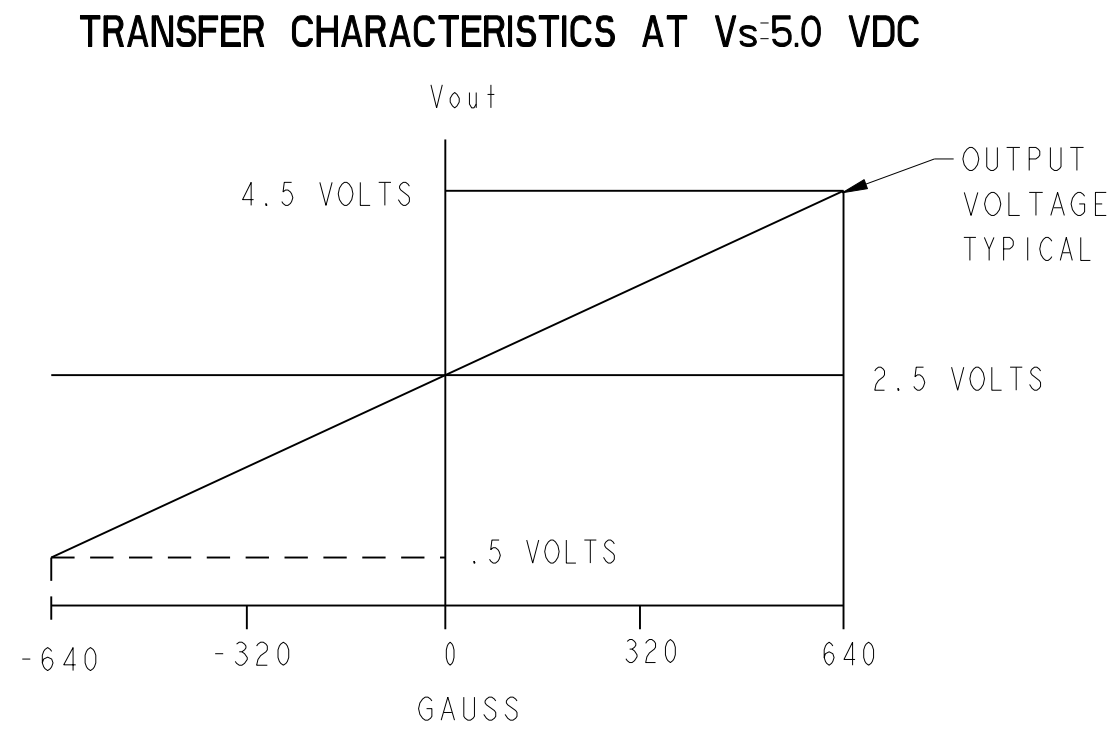
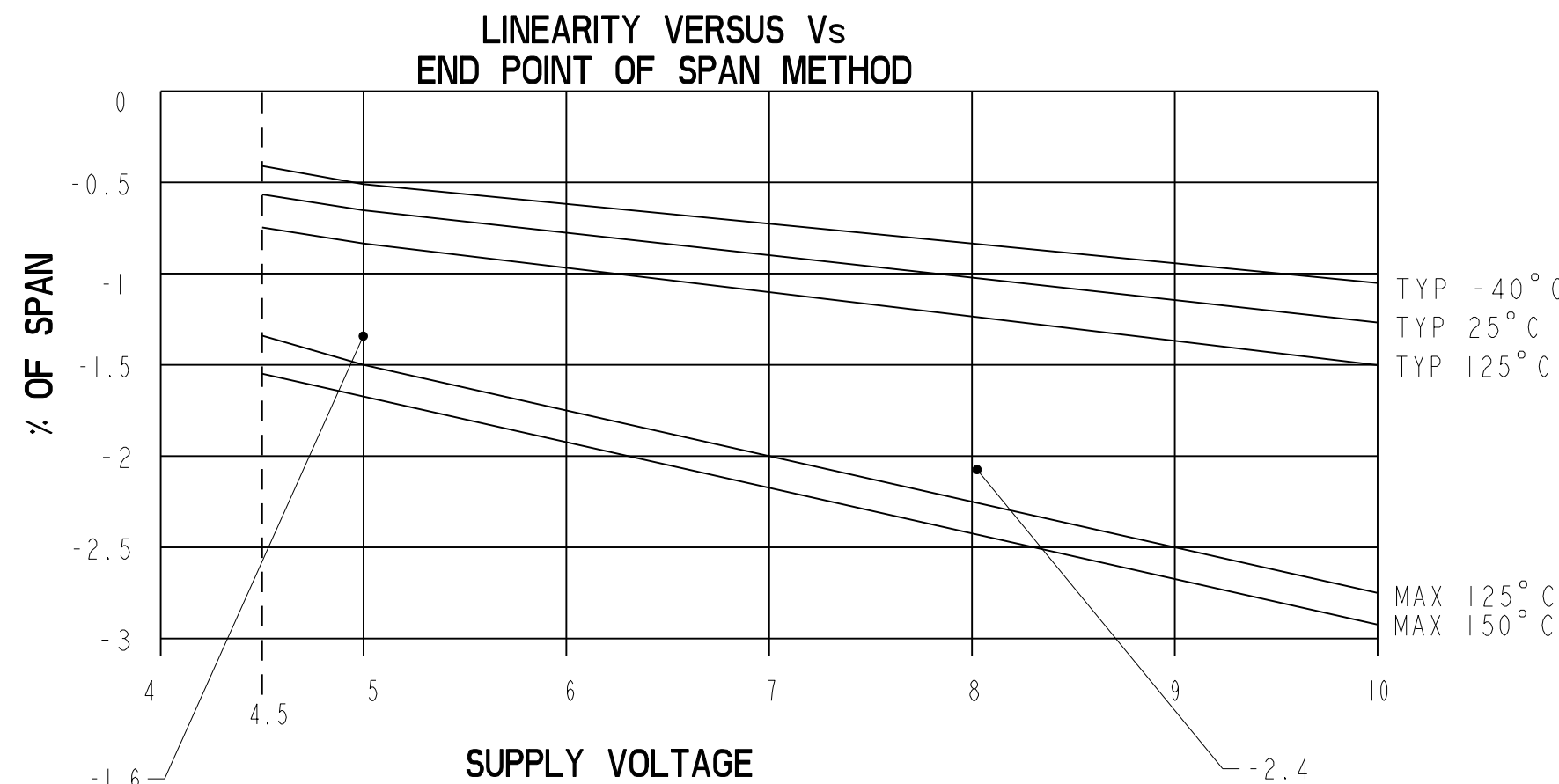
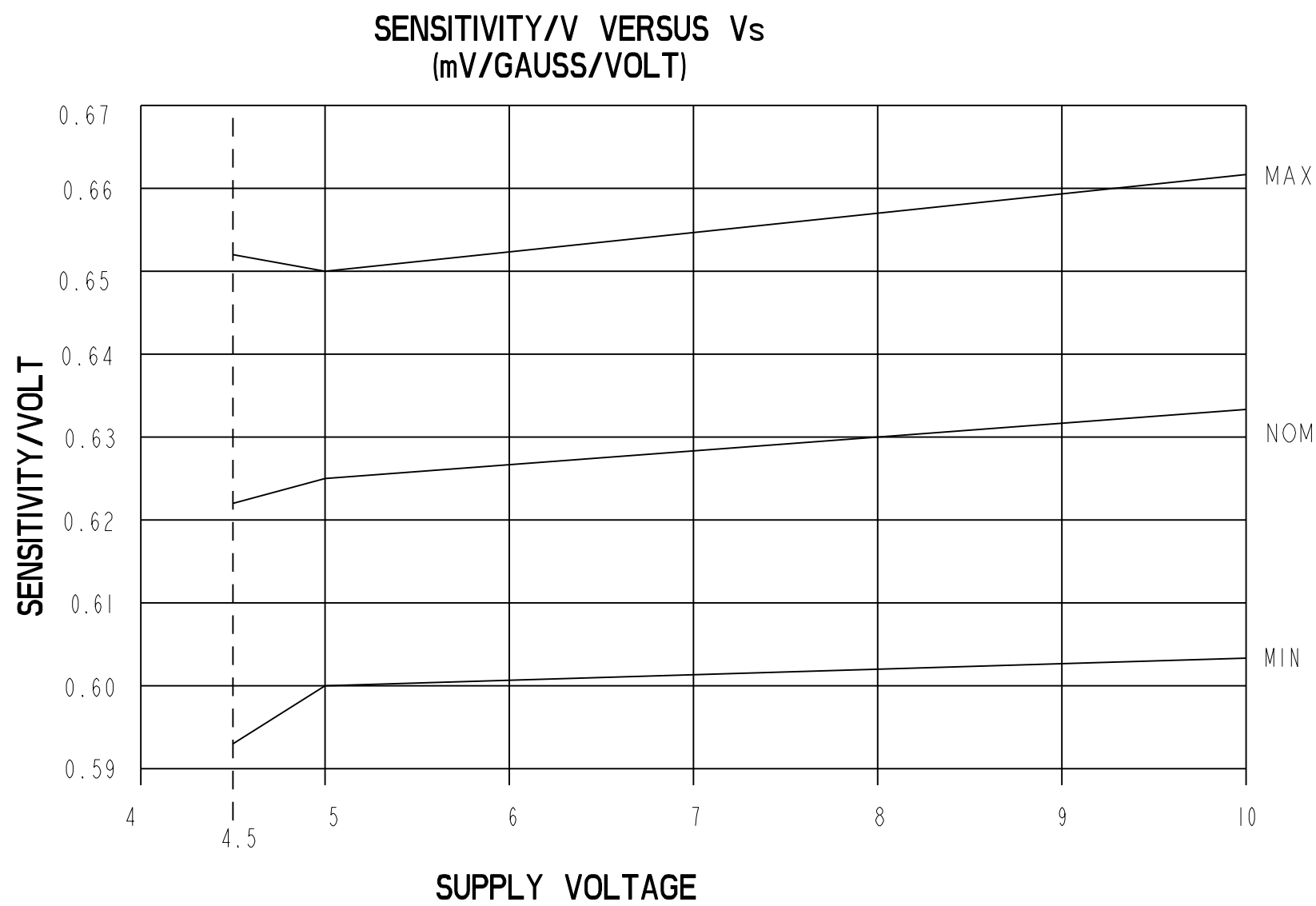
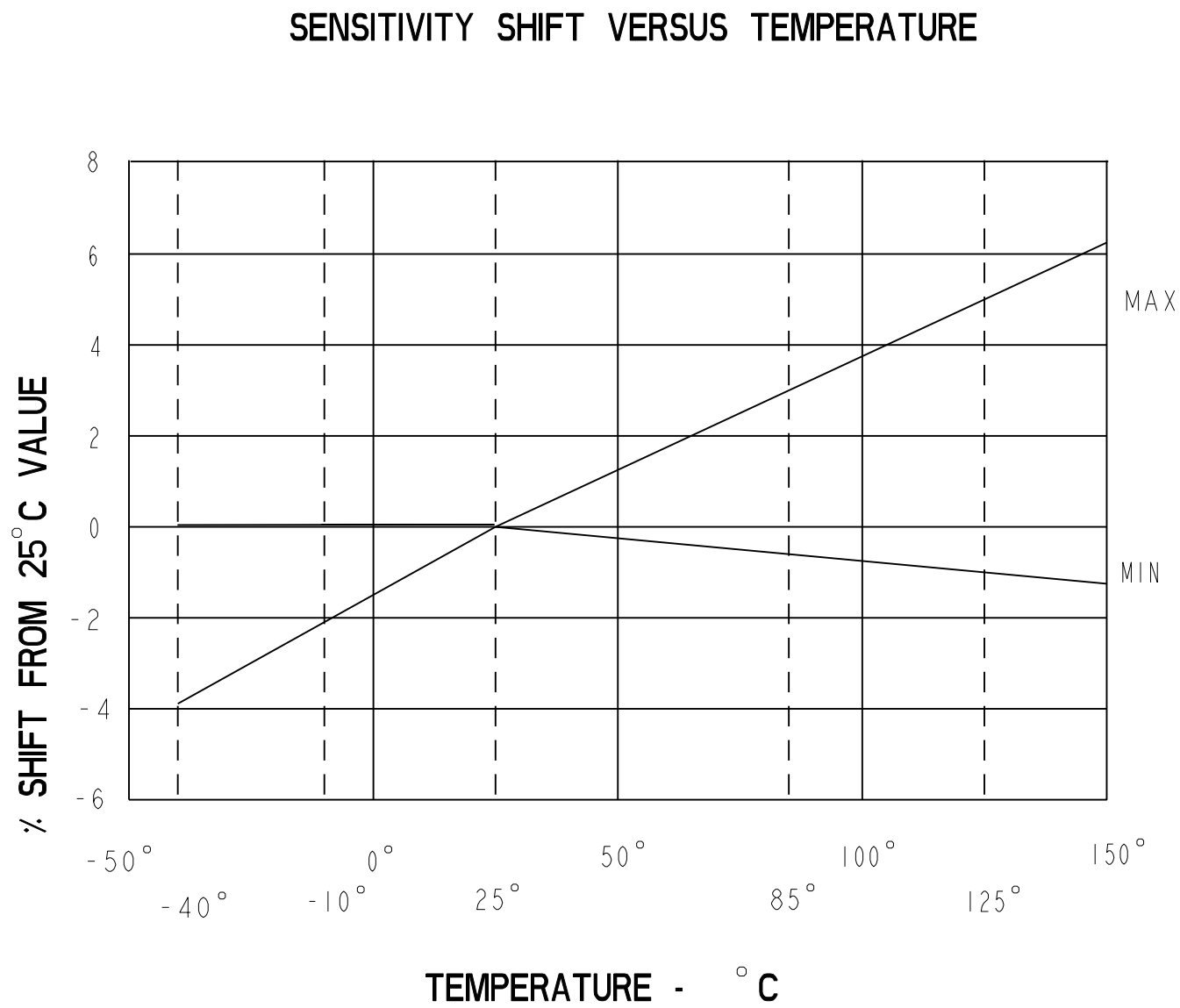
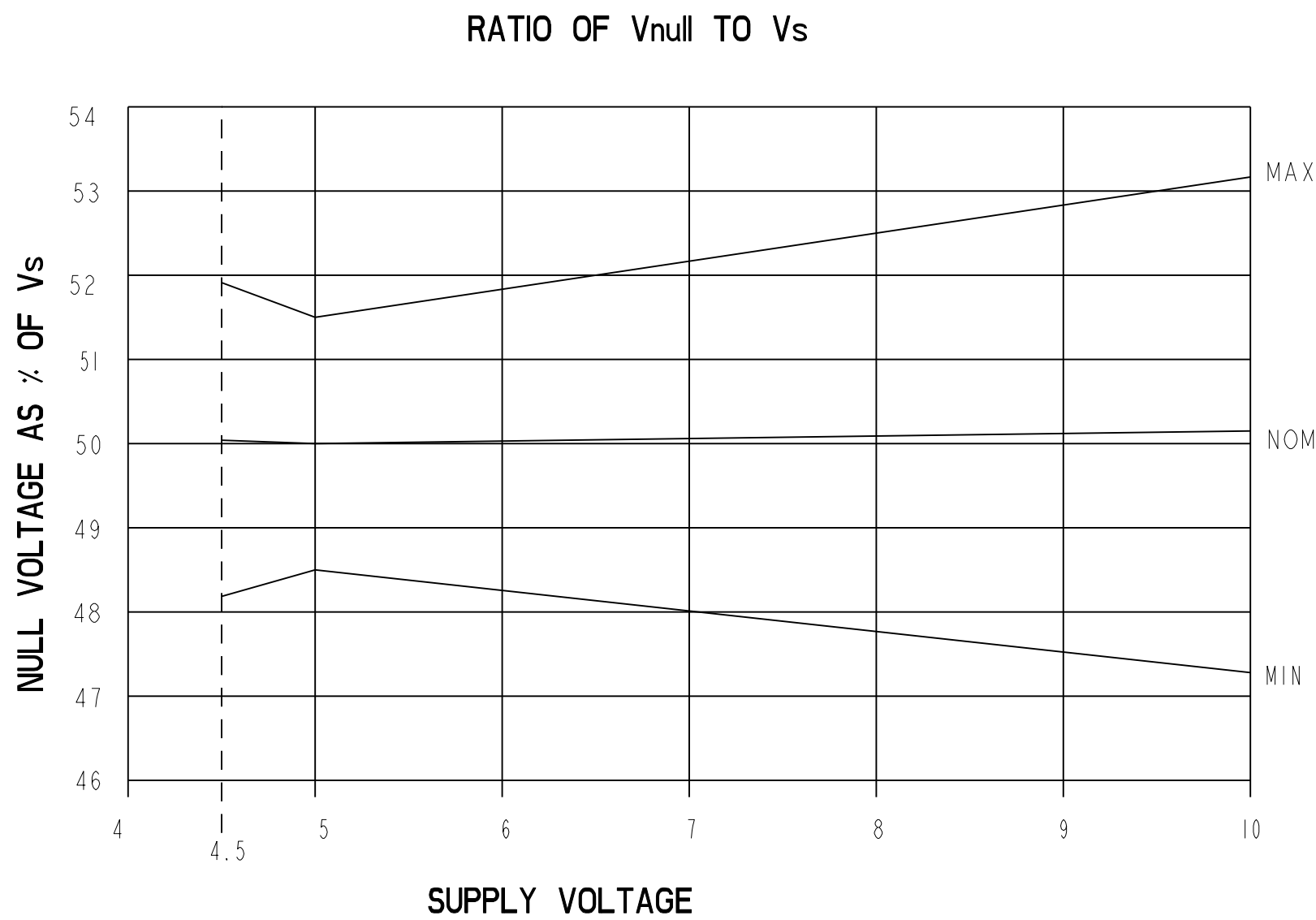
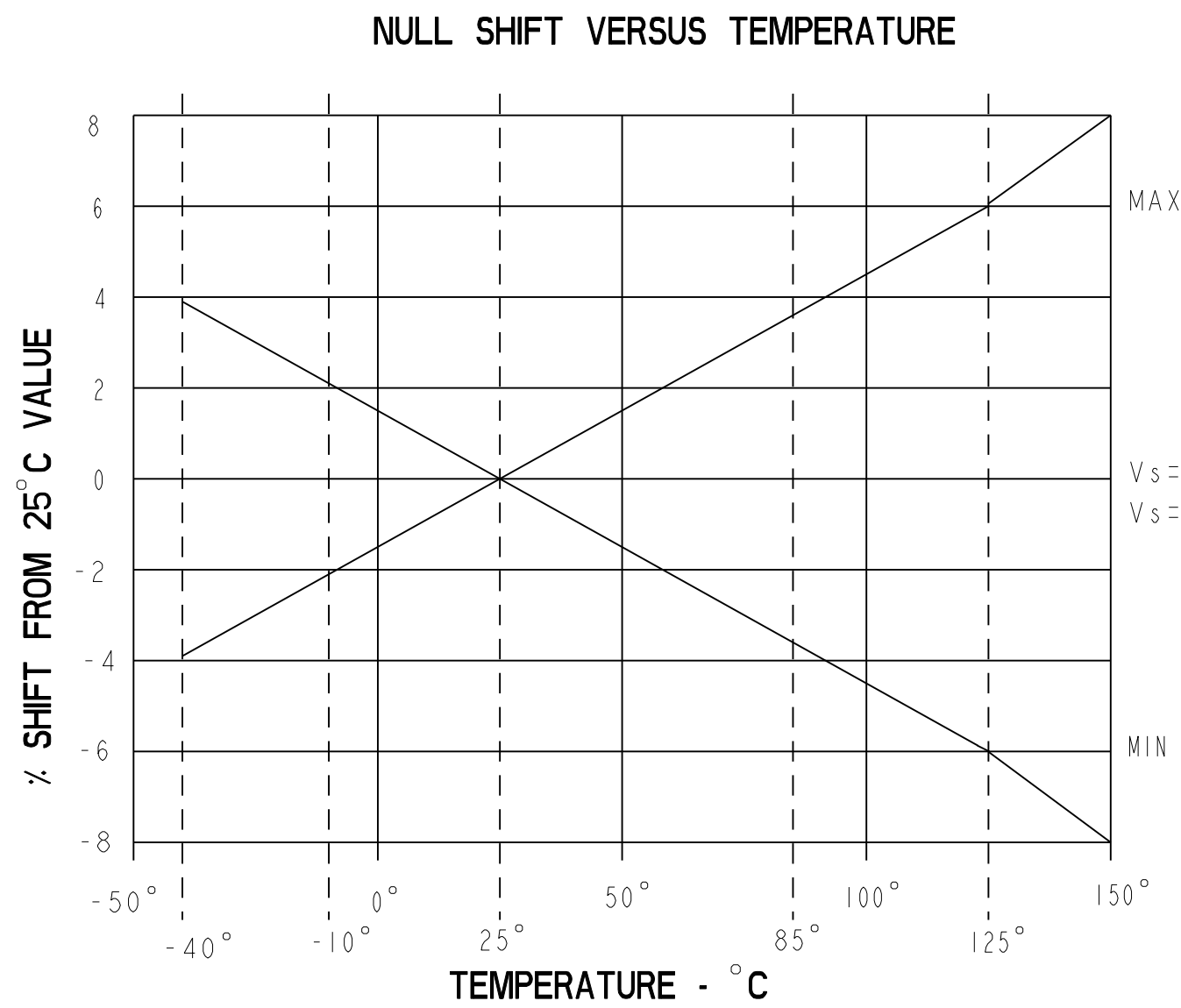


PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	TA = 25°C	3.00	3.125	3.25	mV/GAUSS
NULL	TA = 25°C	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	TA = 25°C		7	8.7	mA
OUTPUT CURRENT SOURCE SINK SINK	Vs > 4.5	1mA	1.5mA		
	Vs > 4.5	.6mA	1.5mA		
	Vs > 5.0	1mA	1.5mA		
RESPONSE TIME			3μs		
OUTPUT VOLTAGE SWING VOM - VOM +					
	-B APPLIED	.4	.2		VOLTS
	+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	-.06		+.06	% /°C
Vnull DRIFT	B = 0, TA = -125°C TO +150°C	-.08		+.08	% /°C
SENSITIVITY DRIFT	TA = +25°C TO +150°C	-.01		+.05	% /°C
SENSITIVITY DRIFT	TA = -40°C TO +25°C	0		+.06	% /°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

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CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	V _{cc}		-0.5	II	V
OUTPUT VOLTAGE	V _{out}		-0.5	II	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
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MINIATURE RATIOMETRIC LINEAR HALL EFFECT SENSOR

CATALOG LISTING
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	

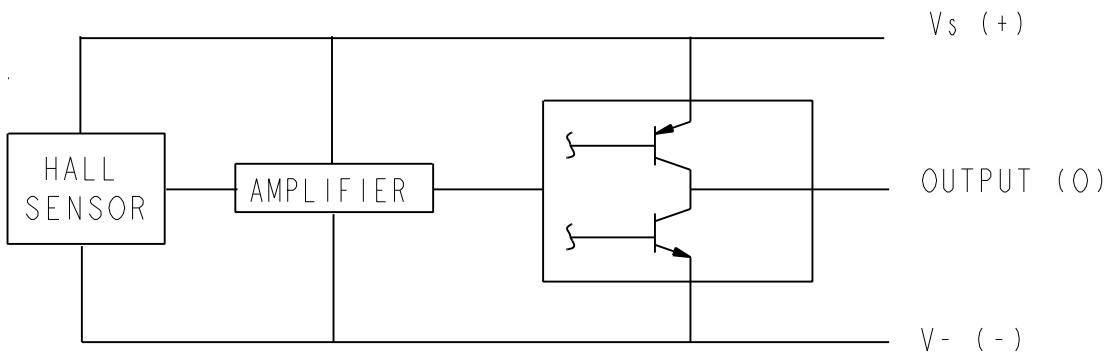
CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495A2

SS495 SERIES CHART 1

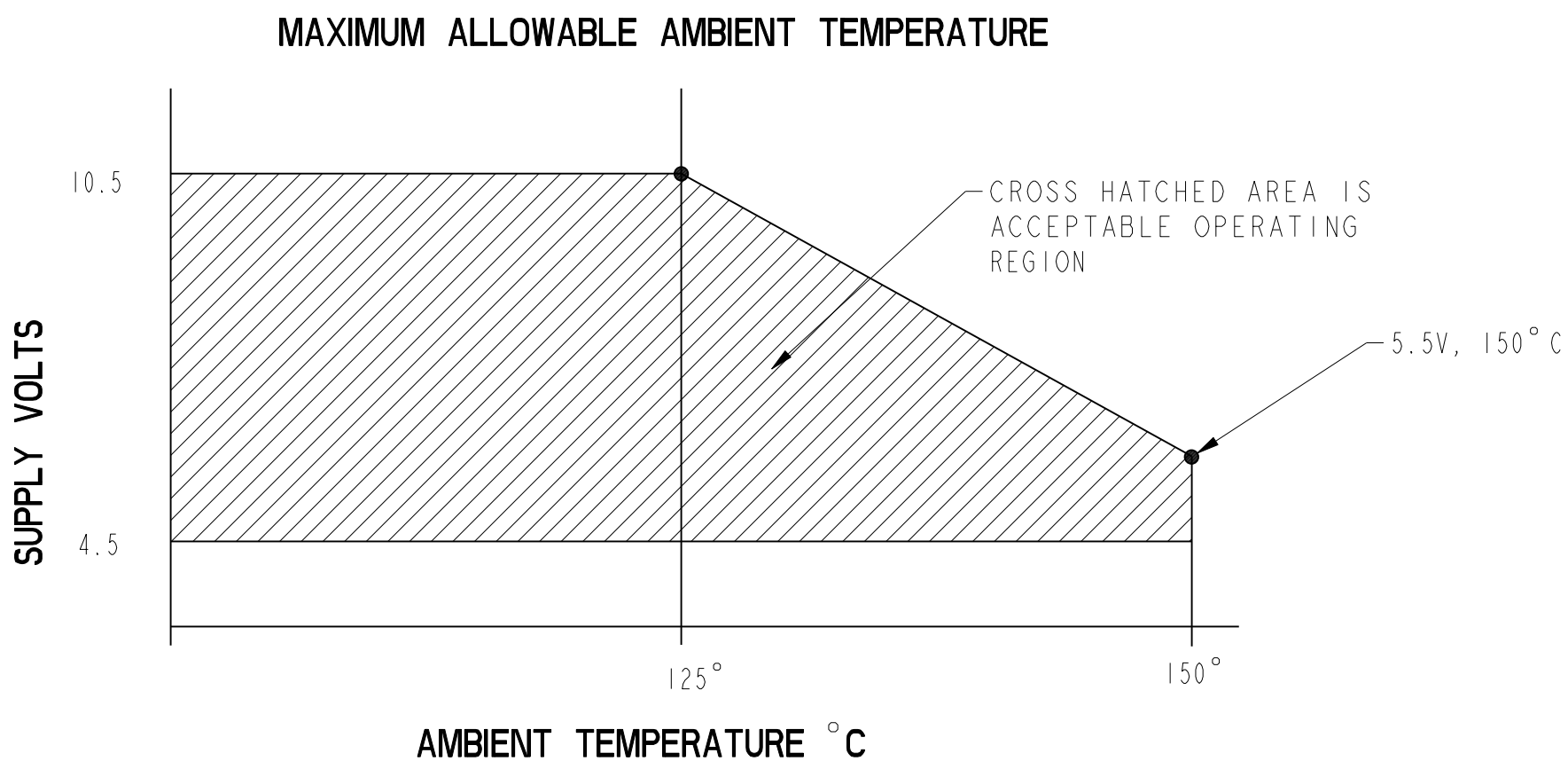
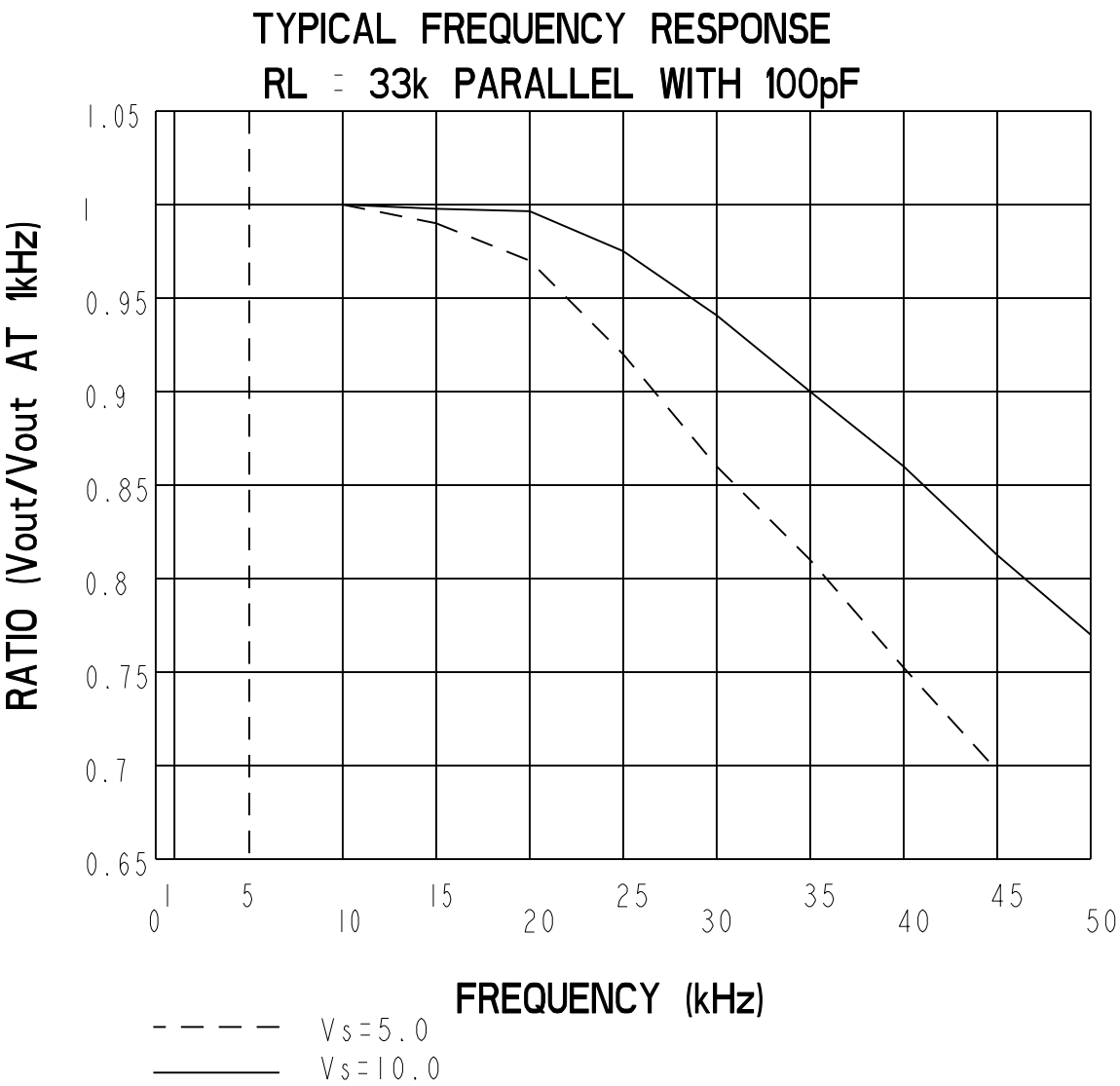
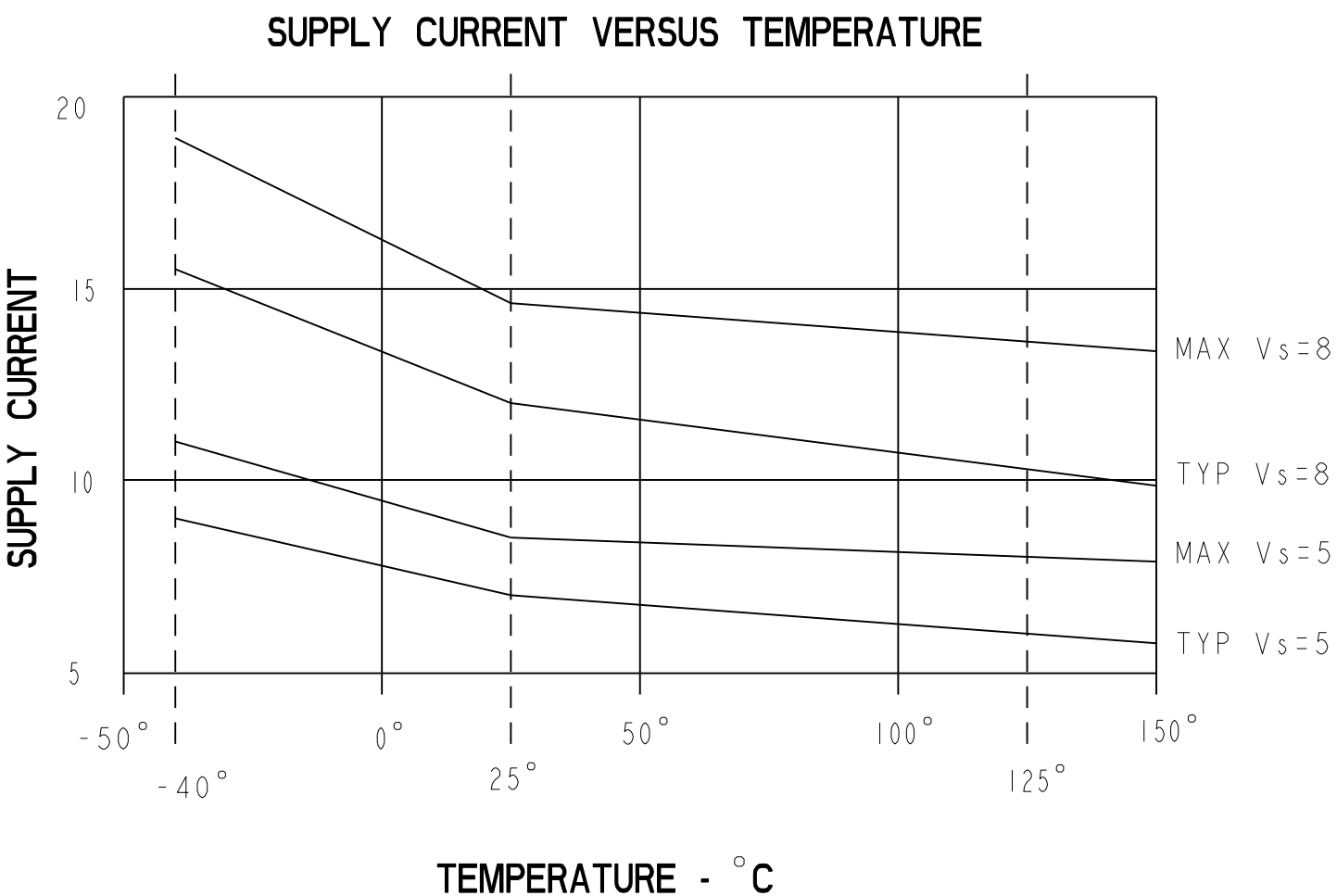
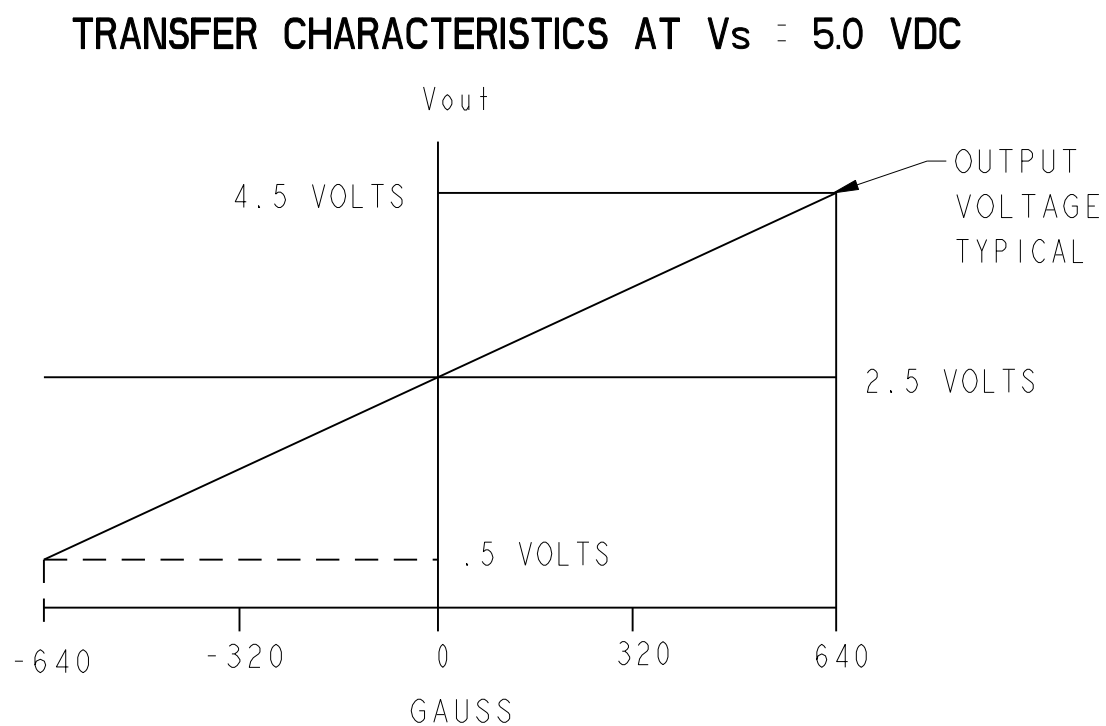
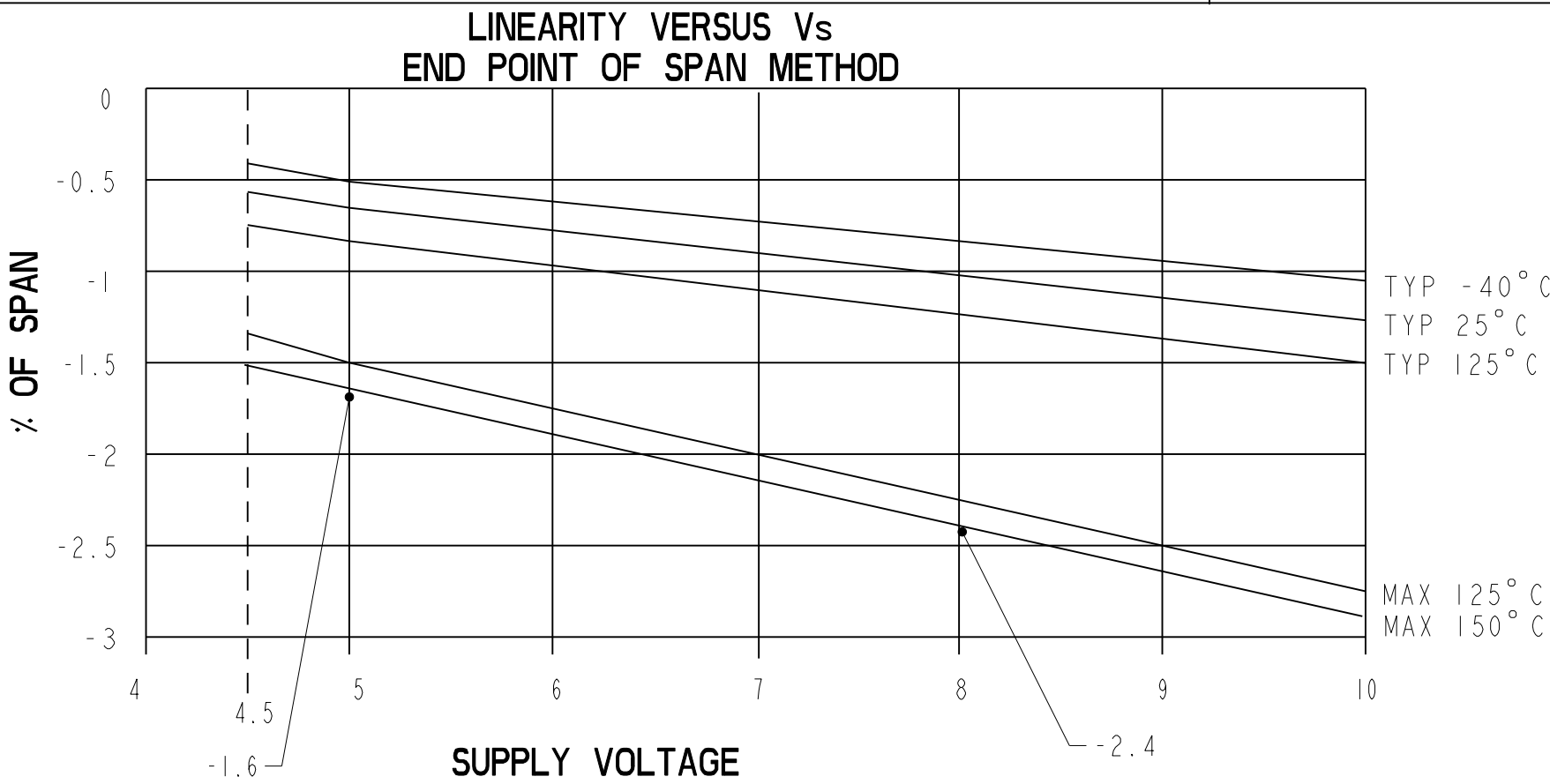
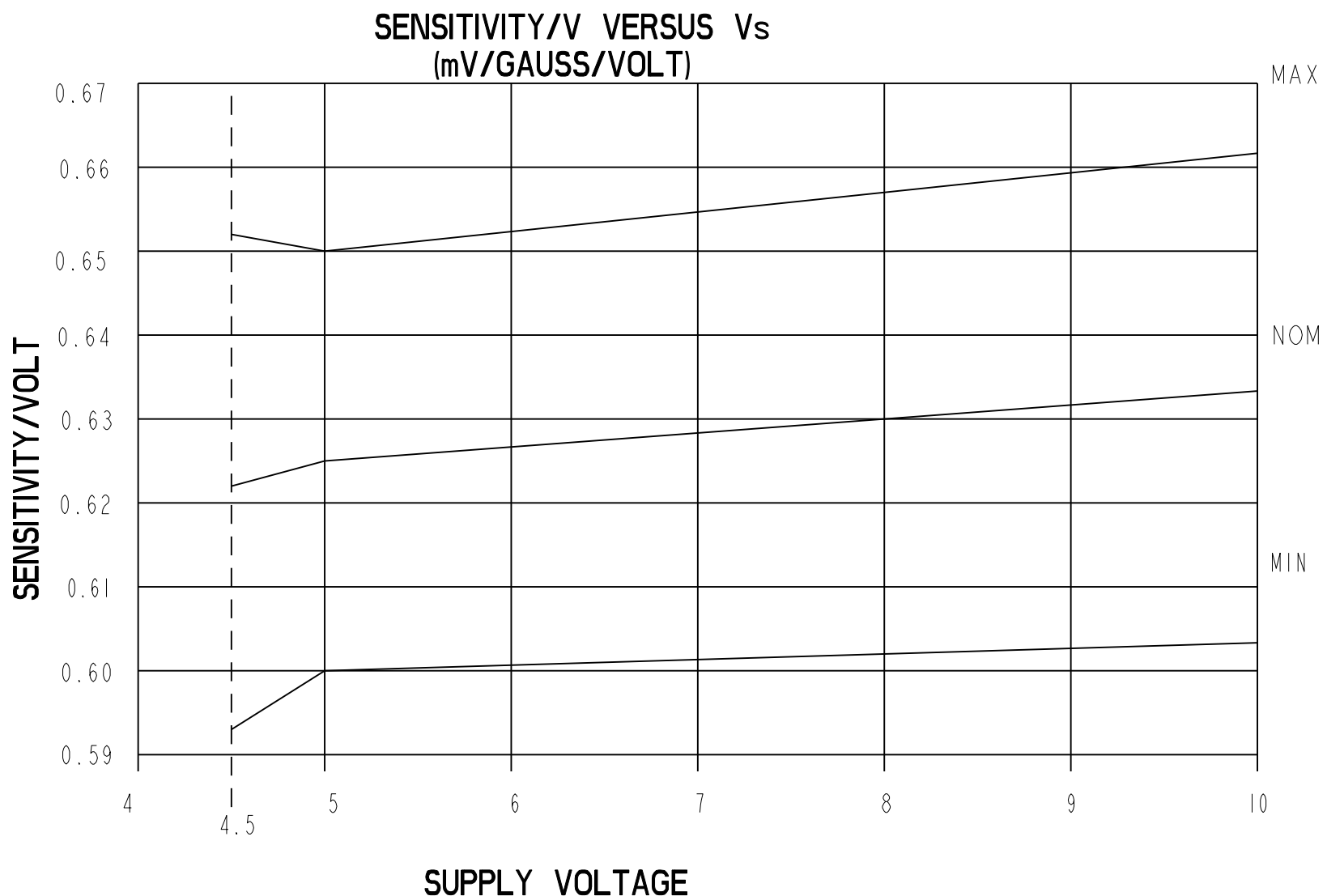
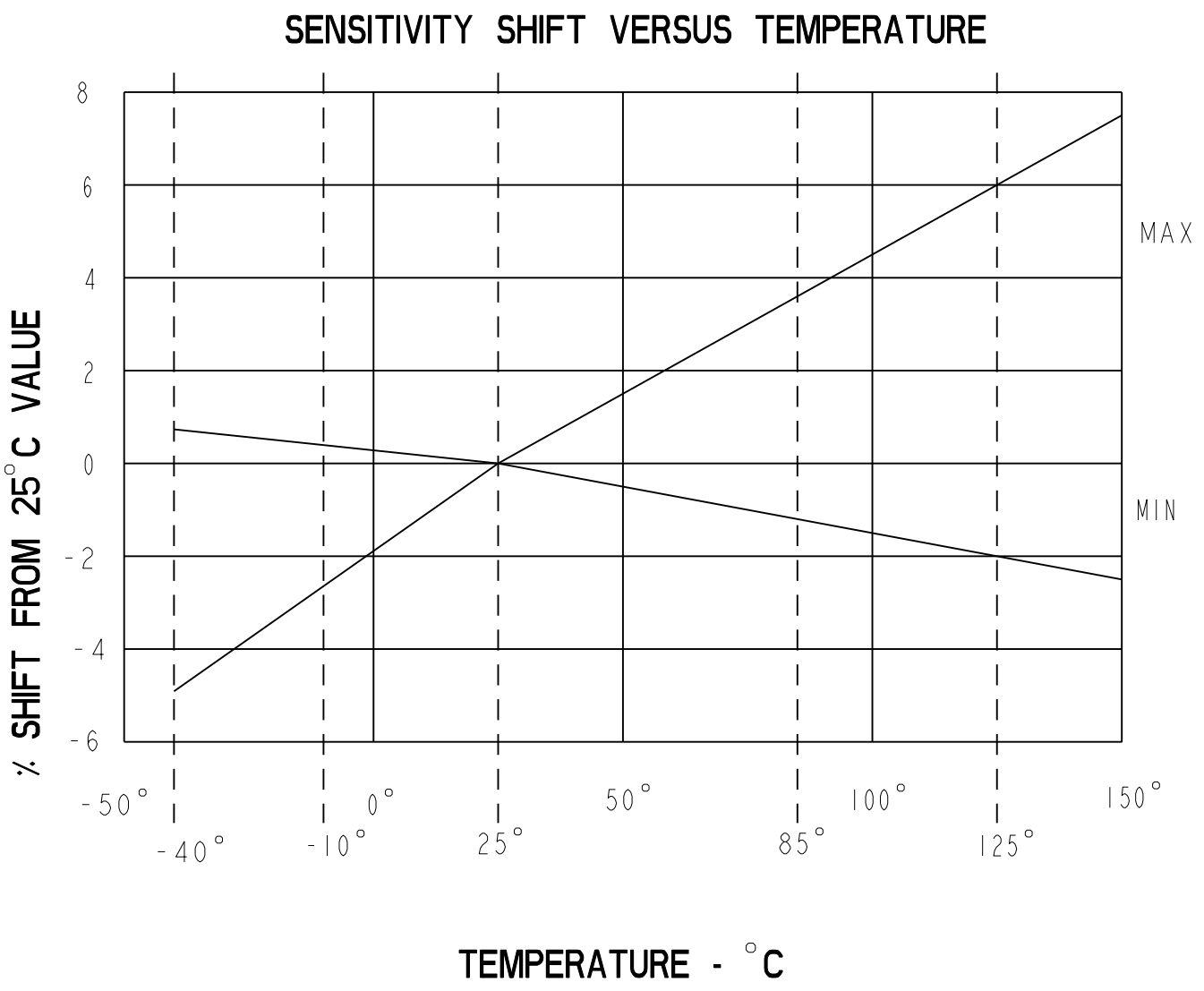
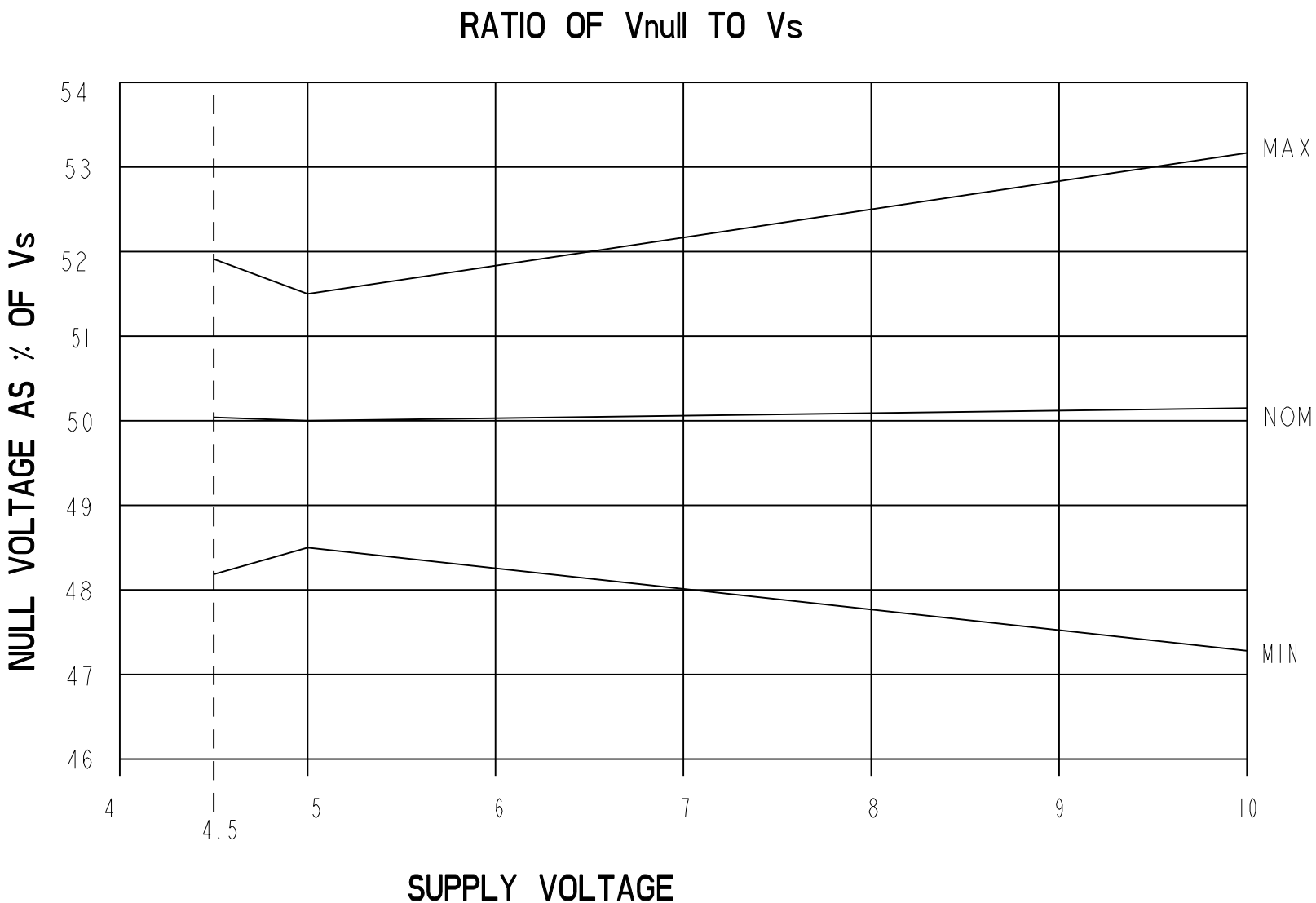
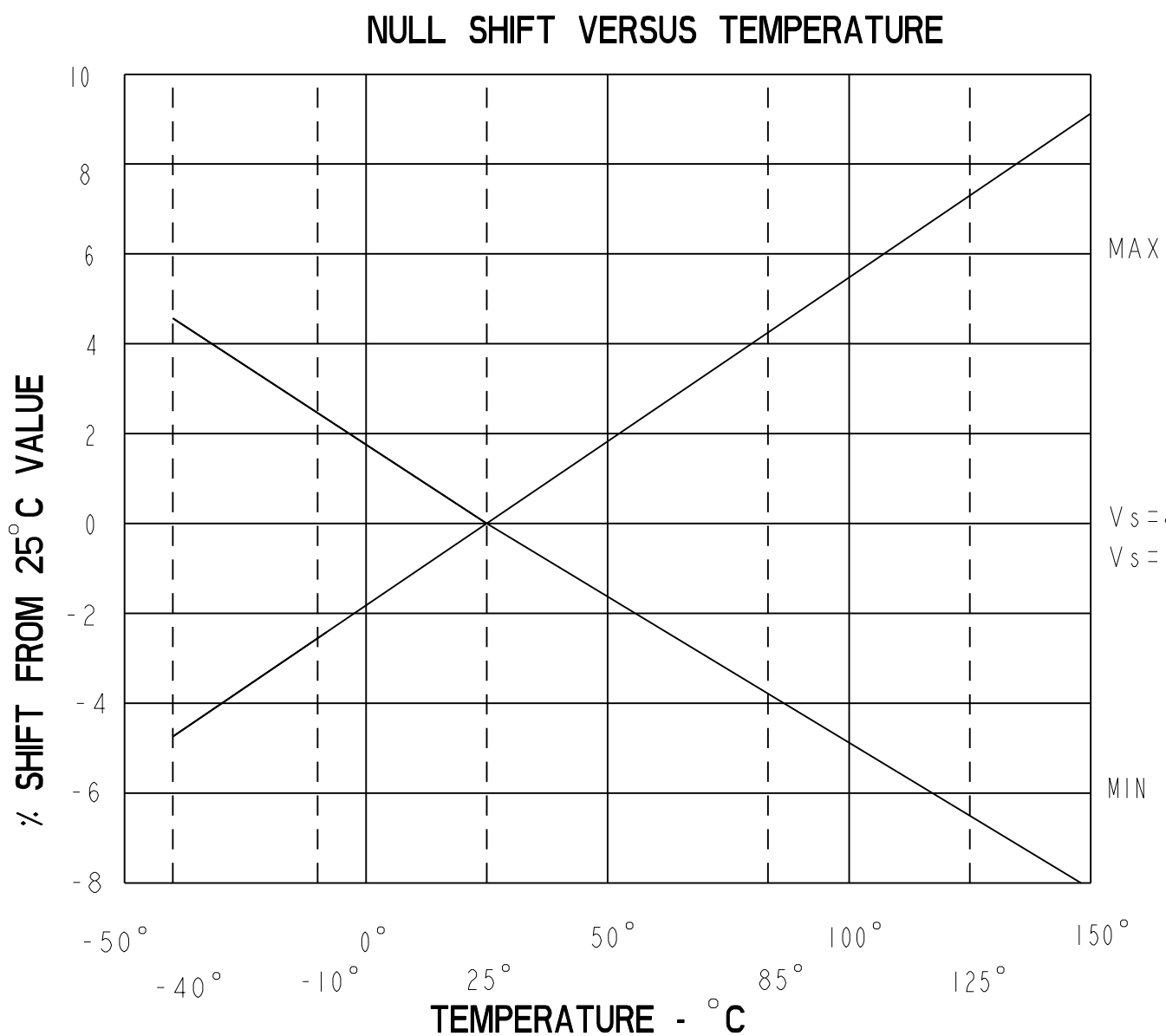
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	TA = 25° C	2.969	3.125	3.281	mV/GAUSS
NULL	TA = 25° C	2.400	2.50	2.600	VOLTS
SUPPLY CURRENT	TA = 25° C		7	8.7	mA
OUTPUT CURRENT	Vs > 4.5	1mA	1.5mA		
SINK	Vs > 4.5	.6mA	1.5mA		
SINK	Vs > 5.0	1mA	1.5mA		
RESPONSE TIME			3μS		
OUTPUT VOLTAGE SWING					
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	-.07		+.07	% /° C
Vnull DRIFT	B = 0, TA = +125° C TO +150° C	-.08		+.08	% /° C
SENSITIVITY DRIFT	TA=+25° C TO +150° C	-.02		+.06	% /° C
SENSITIVITY DRIFT	TA=-40° C TO +25° C	-.01		+.07	% /° 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



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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	

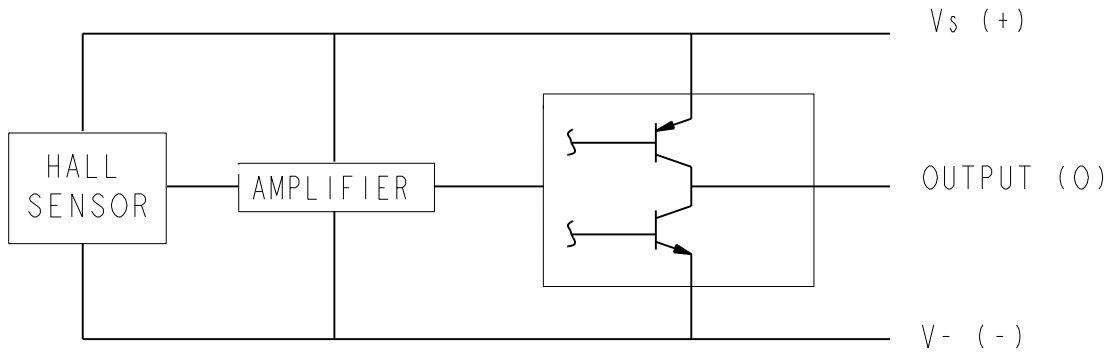
CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA= -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495B

SS495 SERIES CHART 1

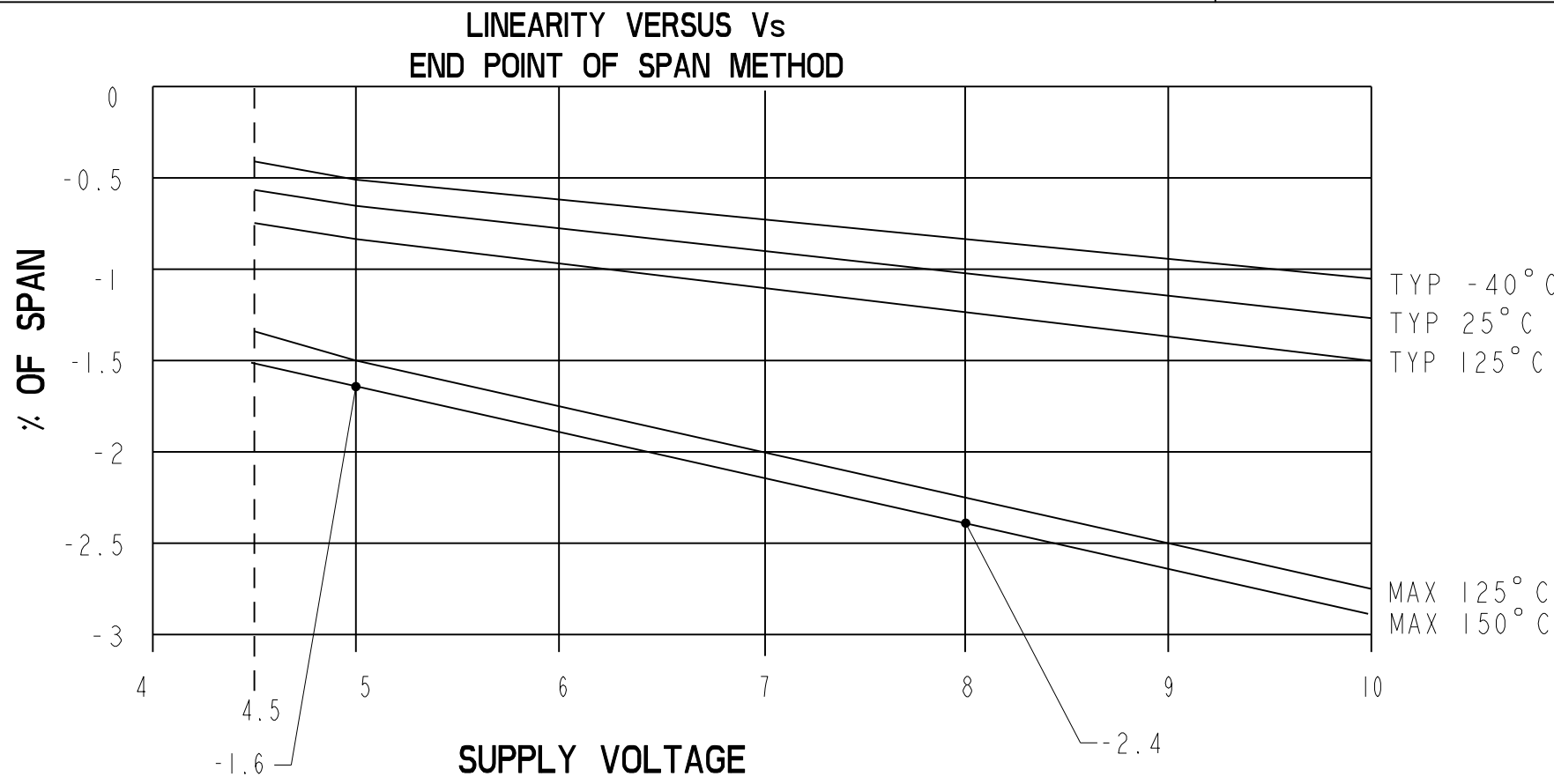
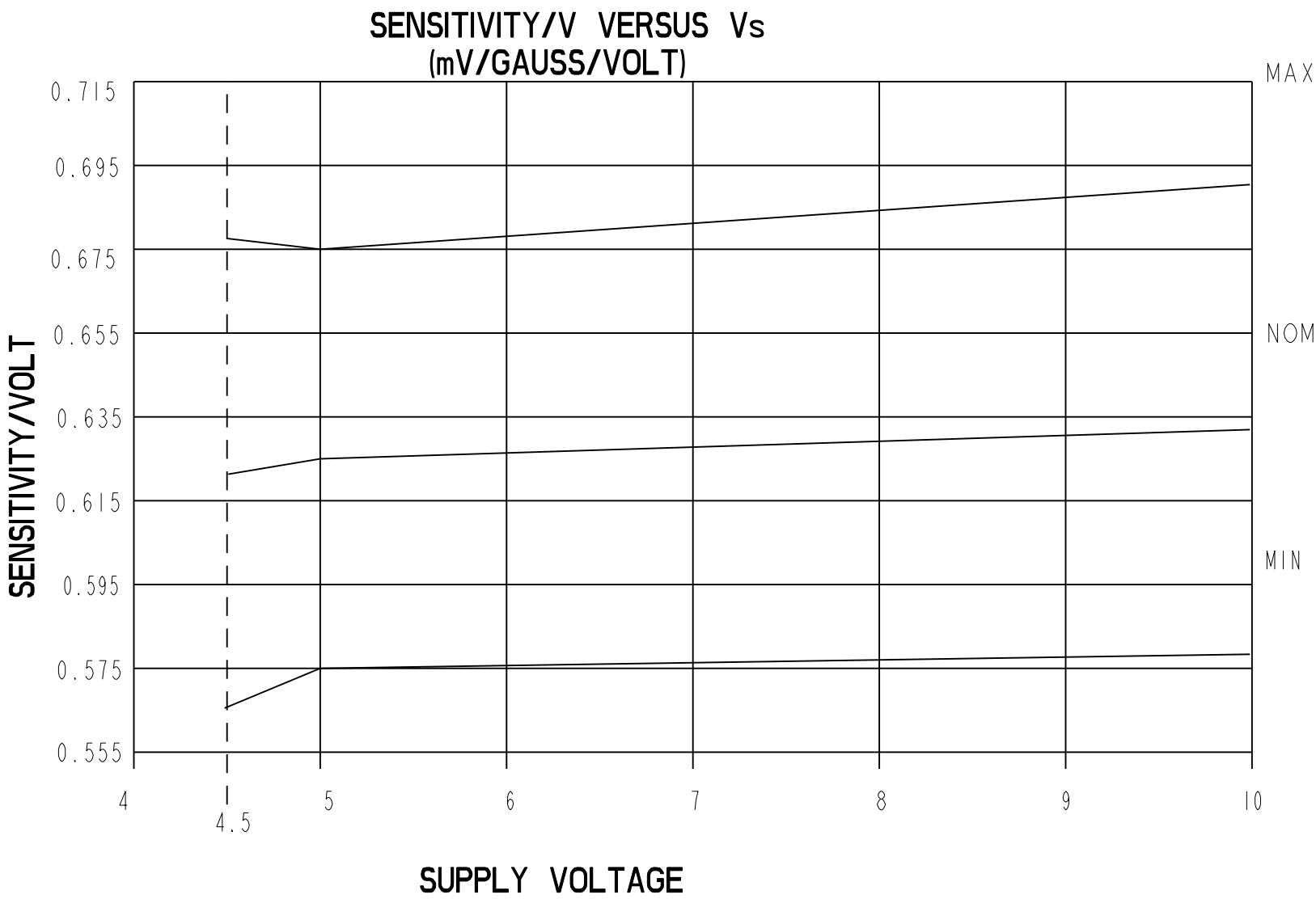
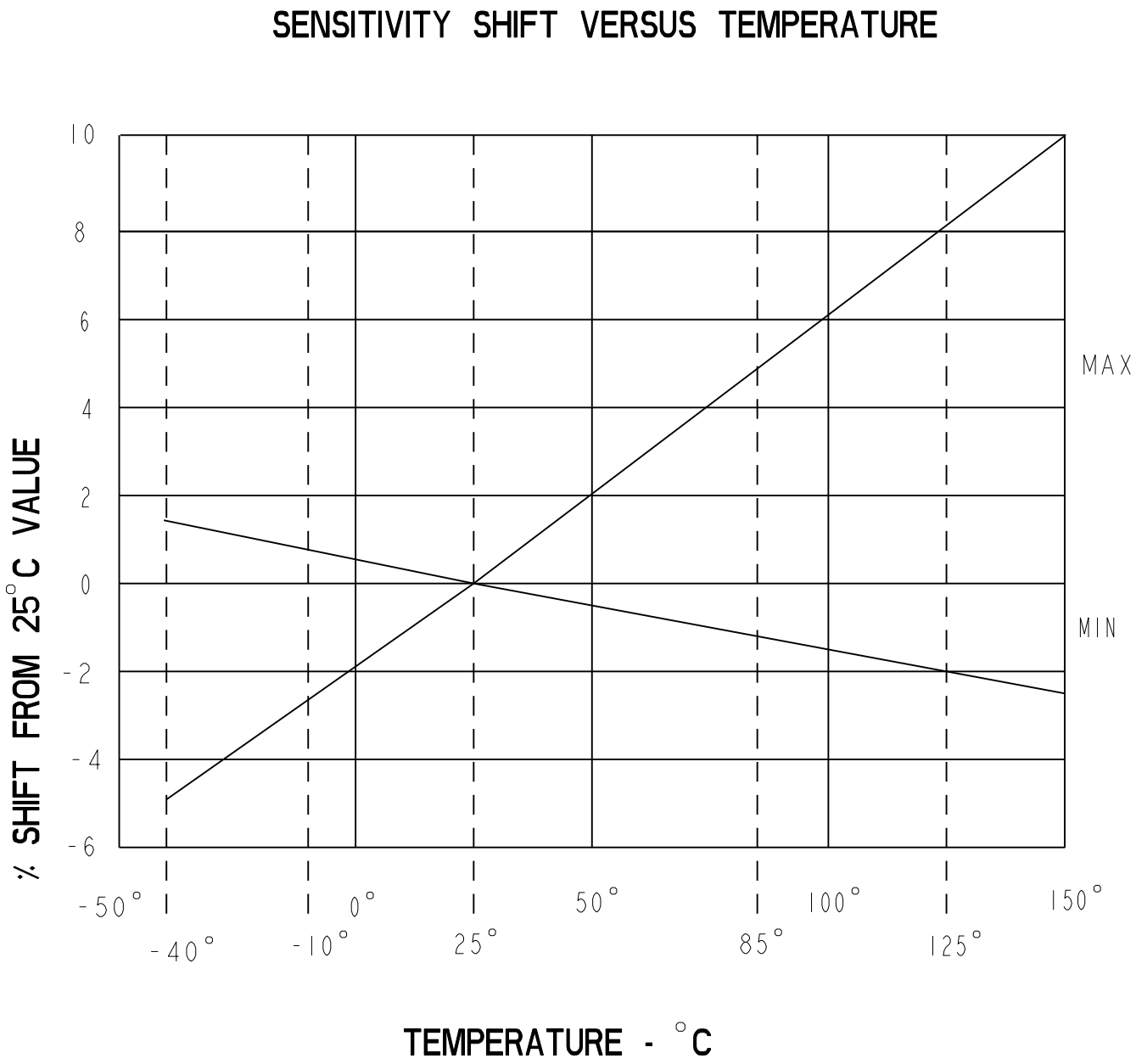
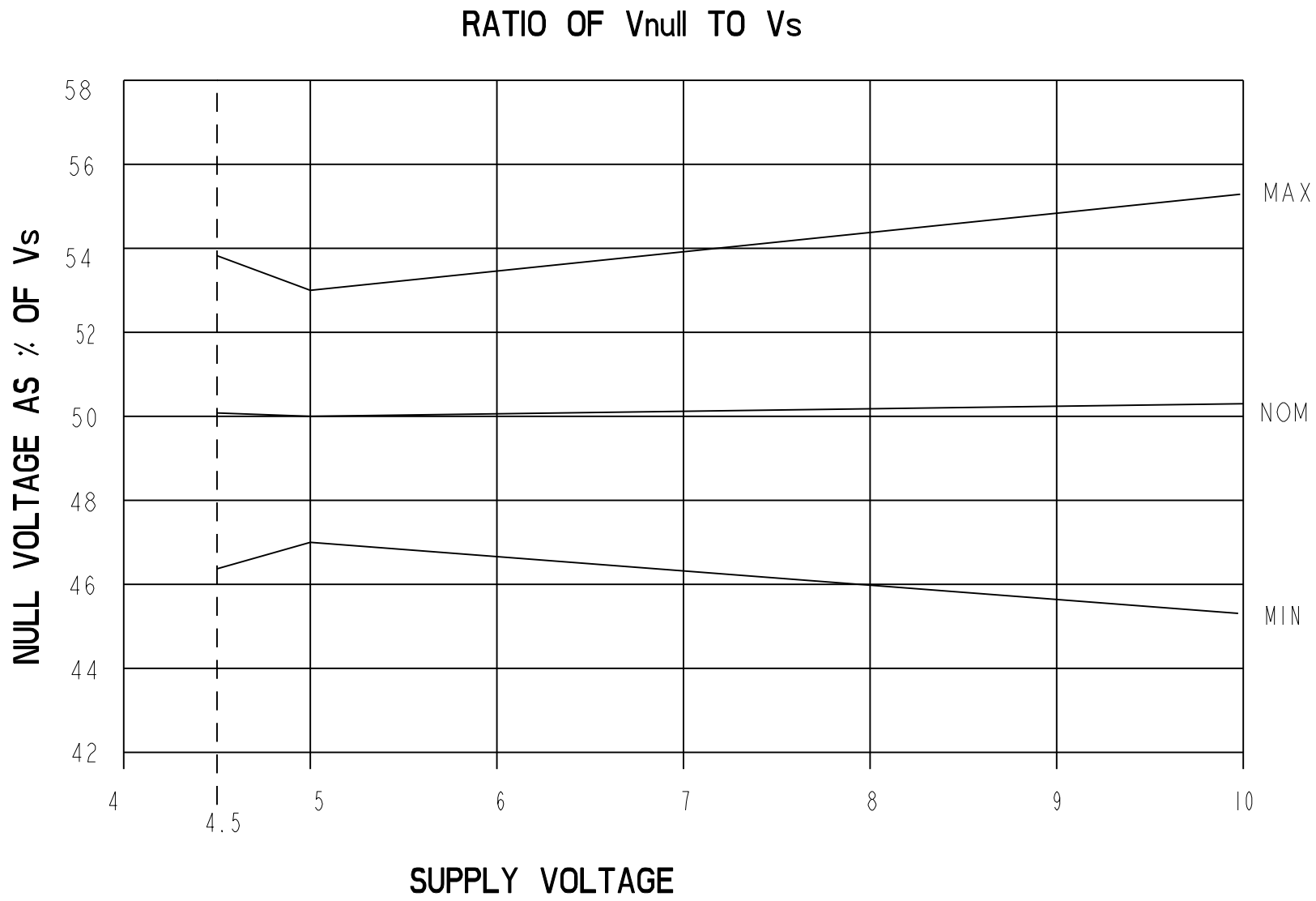
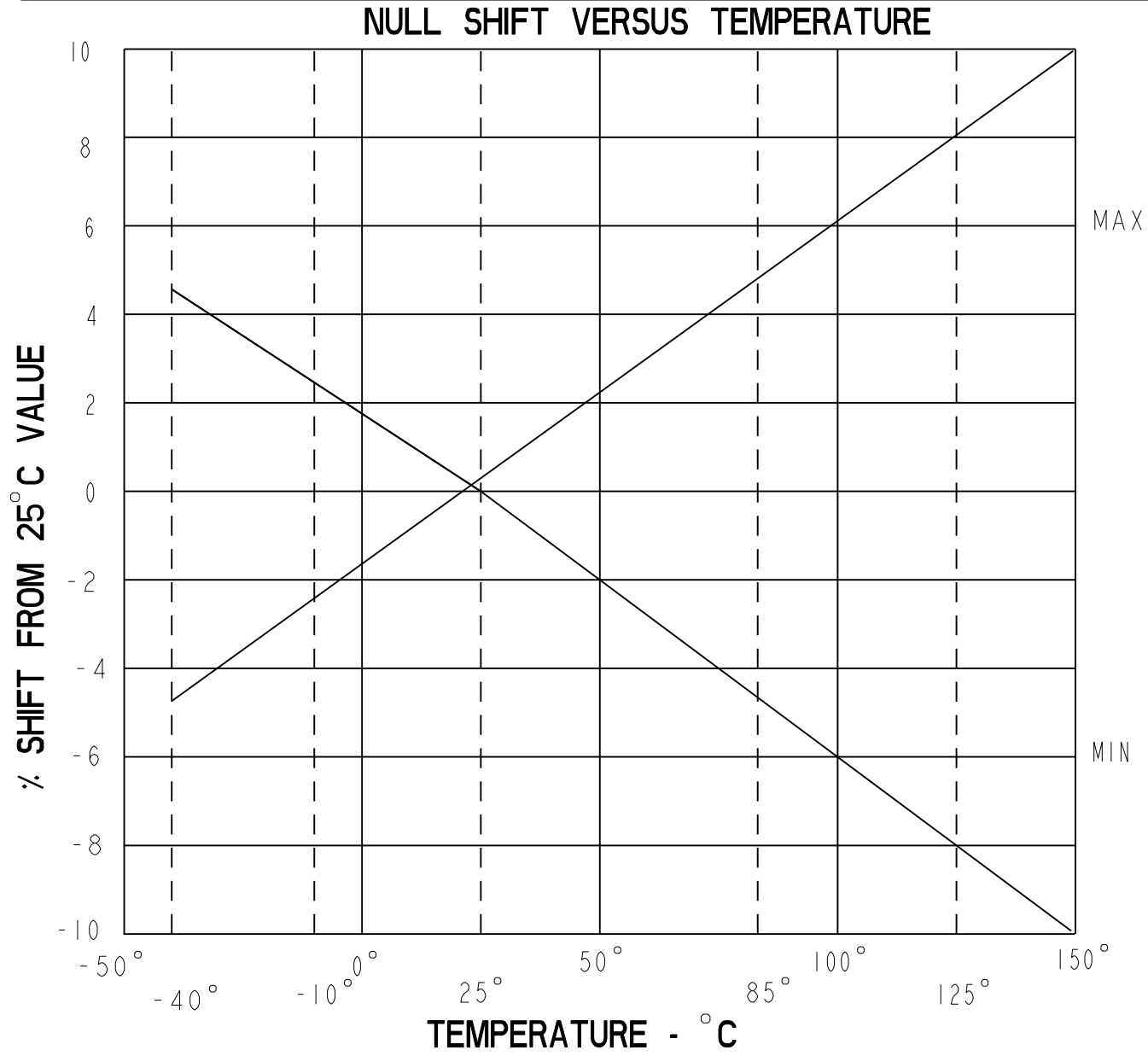
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	TA = 25°C	2.875	3.125	3.375	mV/GAUSS
NULL	TA = 25°C	2.35	2.50	2.650	VOLTS
SUPPLY CURRENT	TA = 25°C		7	8.7	mA
OUTPUT CURRENT SOURCE	Vs > 4.5	1mA	1.5mA		
SINK	Vs > 4.5	.6mA	1.5mA		
SINK	Vs > 5.0	1mA	1.5mA		
RESPONSE TIME			3μs		
OUTPUT VOLTAGE SWING					
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

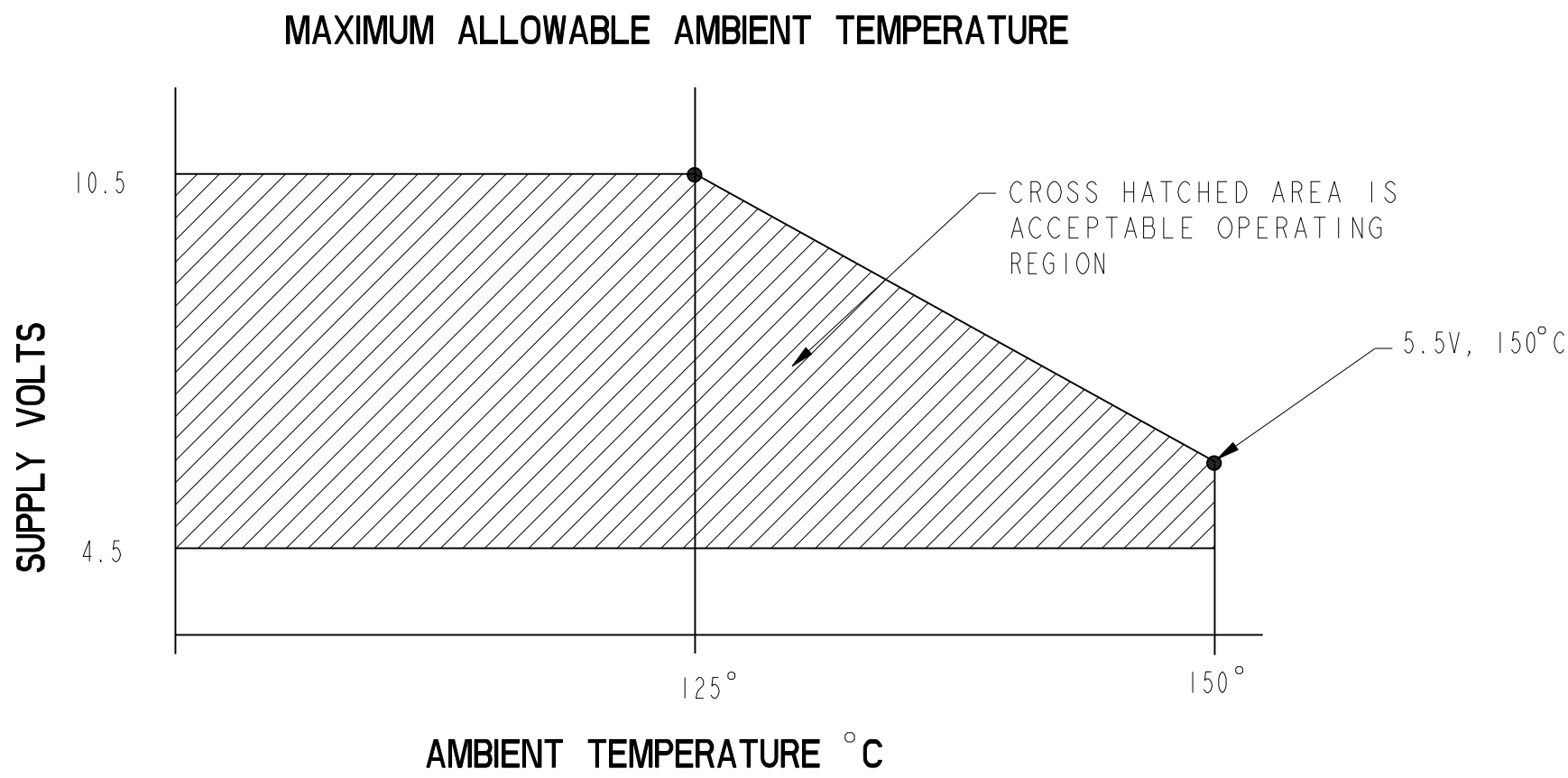
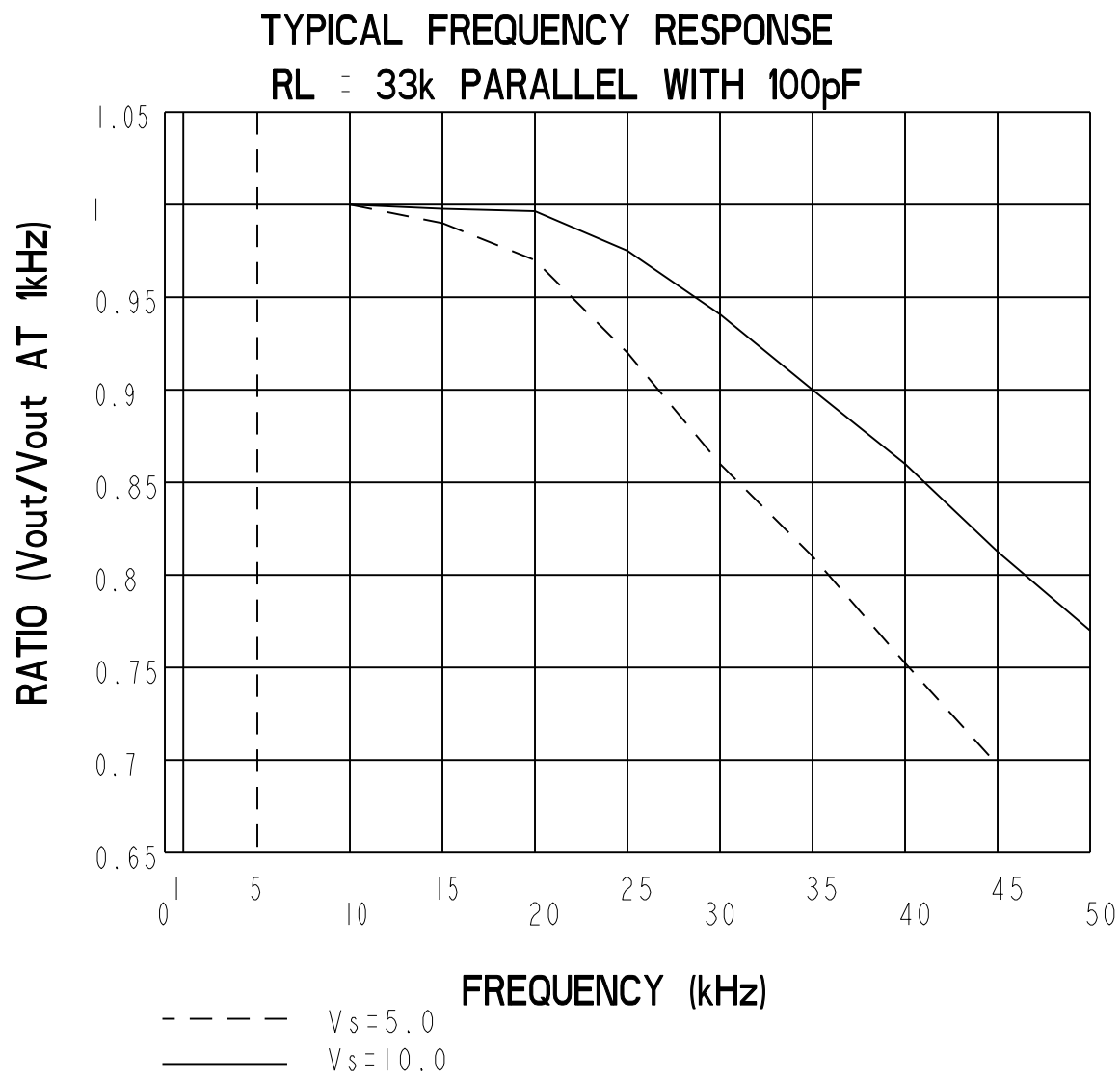
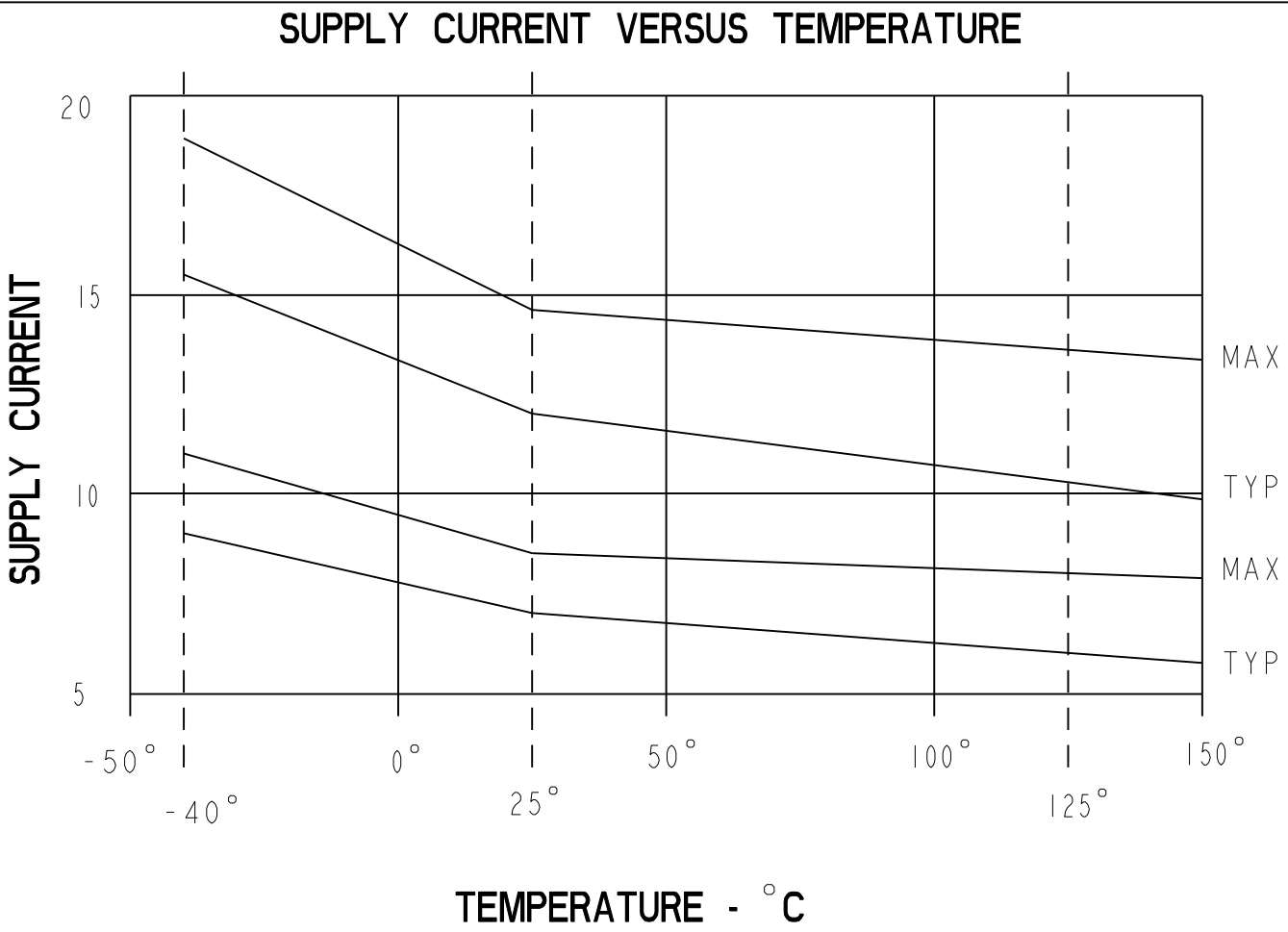
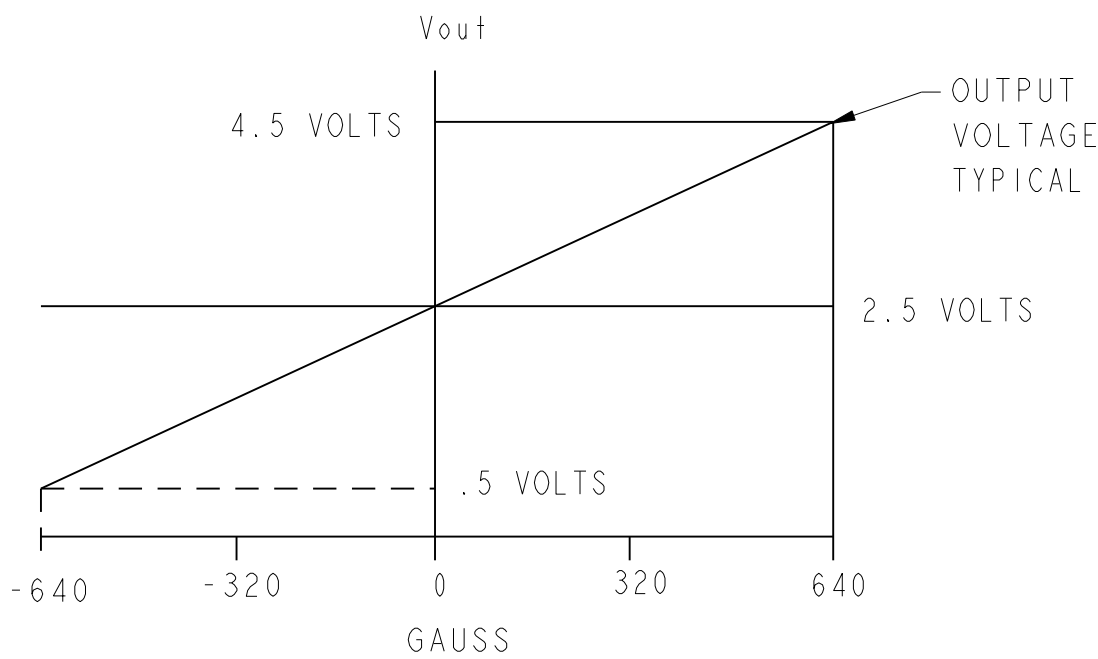


ABSOLUTE MAXIMUM CHARACTERISTICS

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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MICRO SWITCH
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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	



**Стандарт
Электрон
Связь**

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Электронная почта: sales@st-electron.ru

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помещение 100-Н Офис 331