

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	

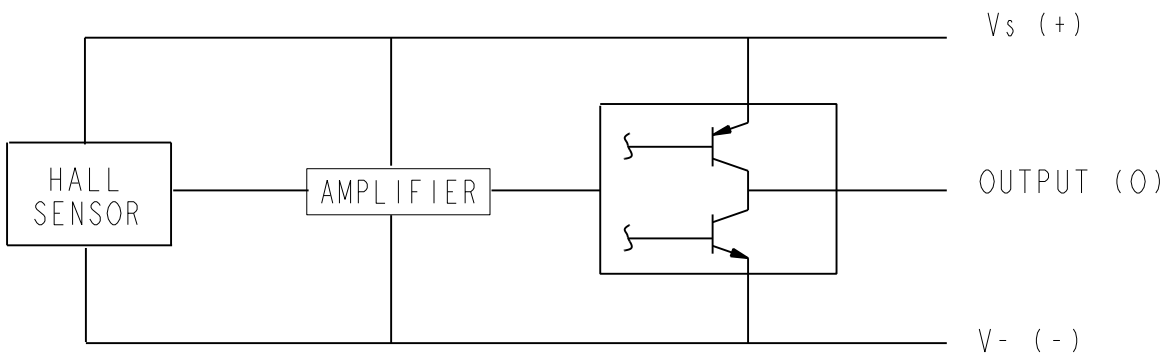
CHARACTERISTICS ARE AT V_s 5.00 WITH 4.7K OUTPUT TO MINUS WITH T_A -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495A

SS495 SERIES CHART 1

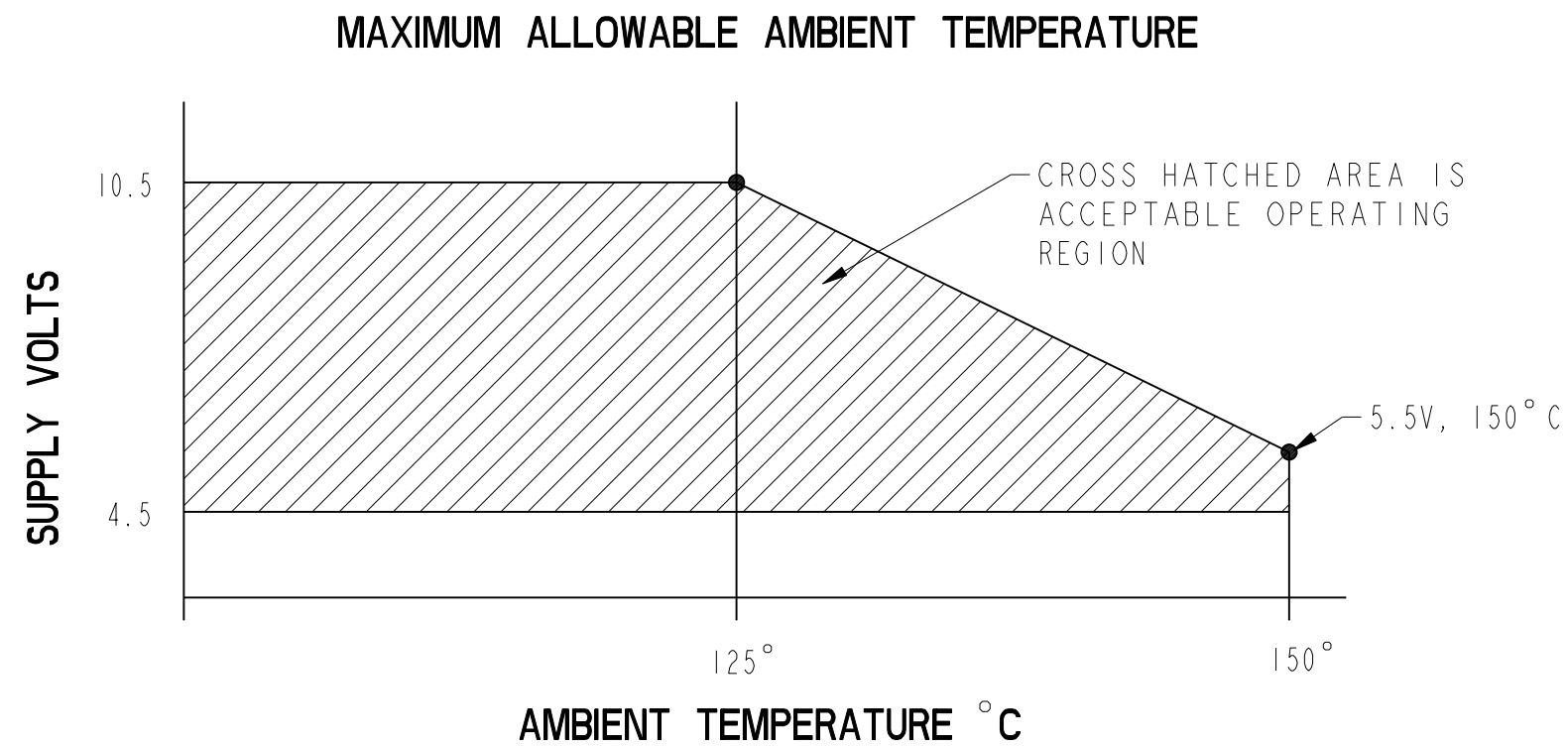
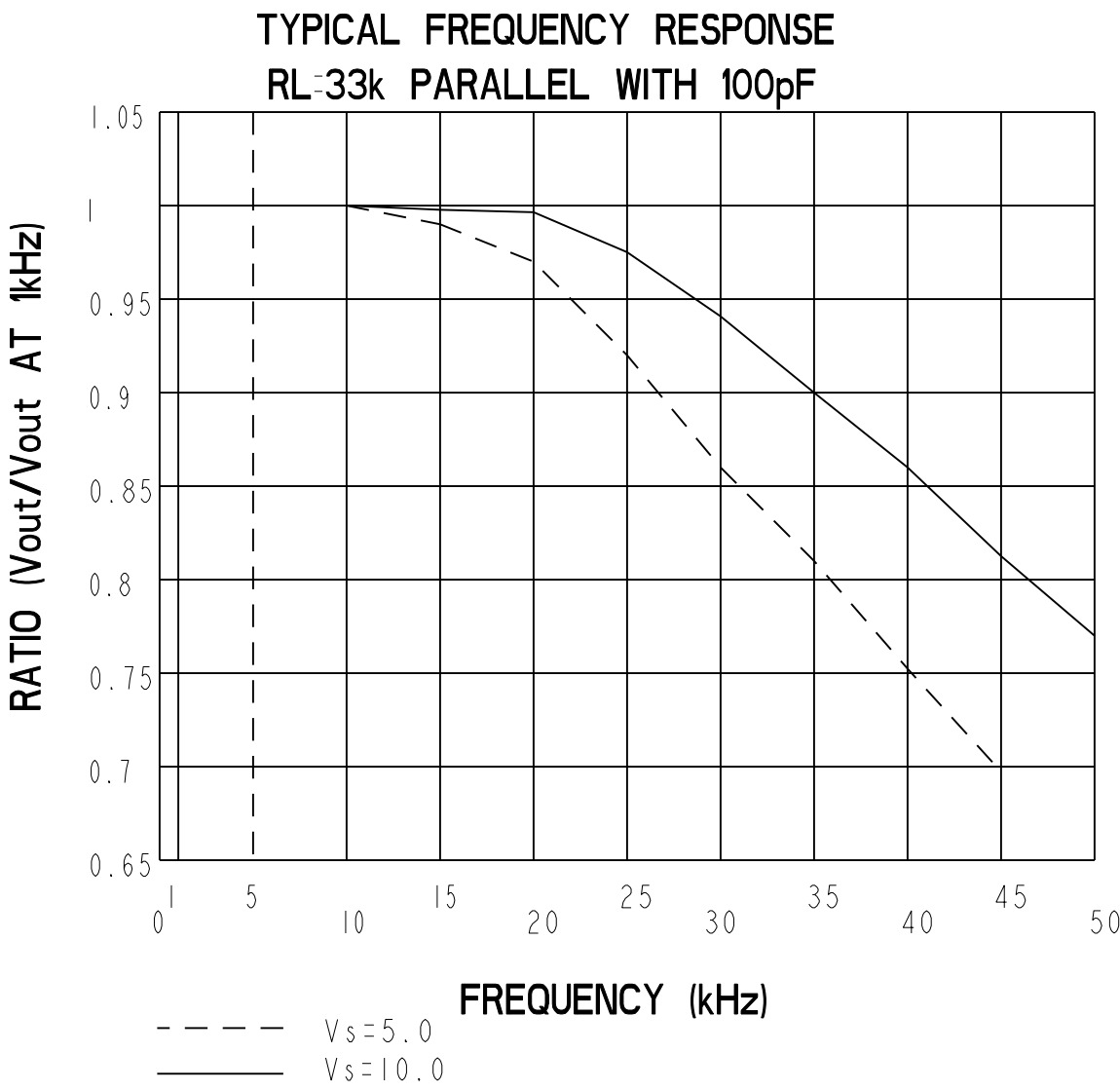
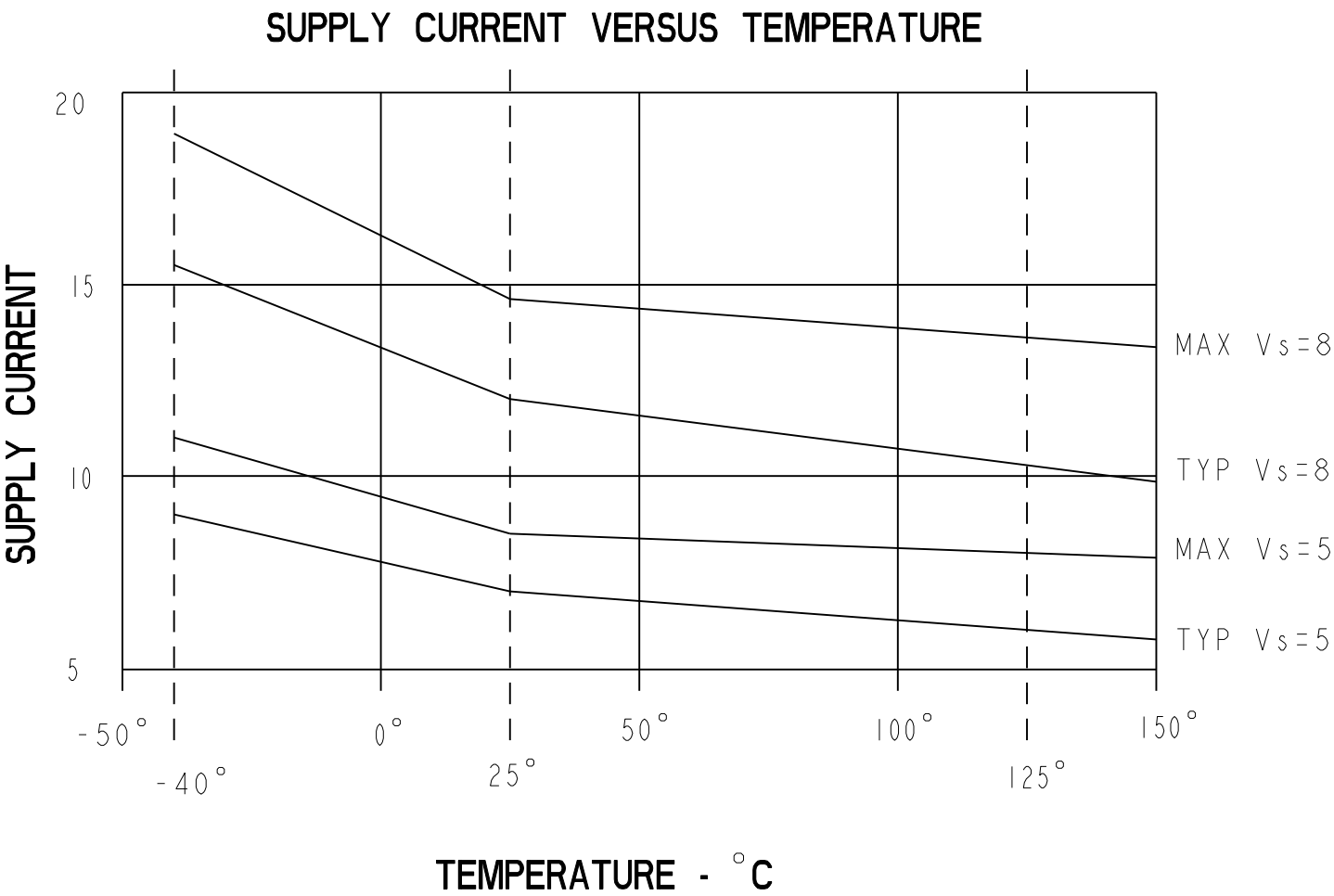
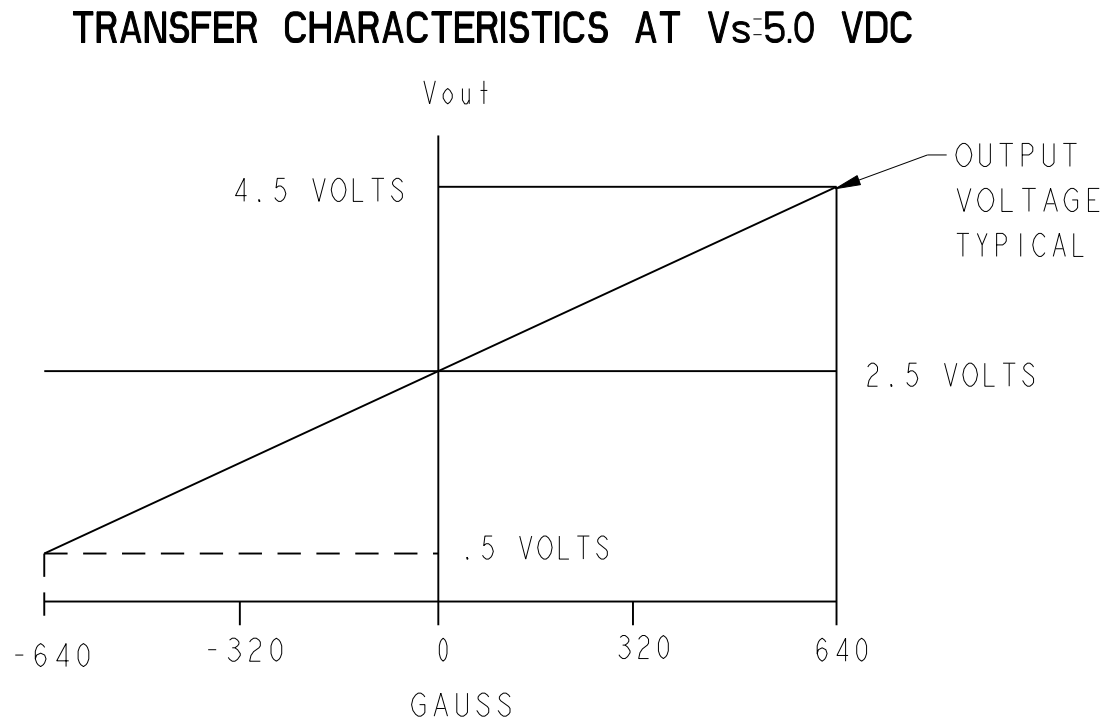
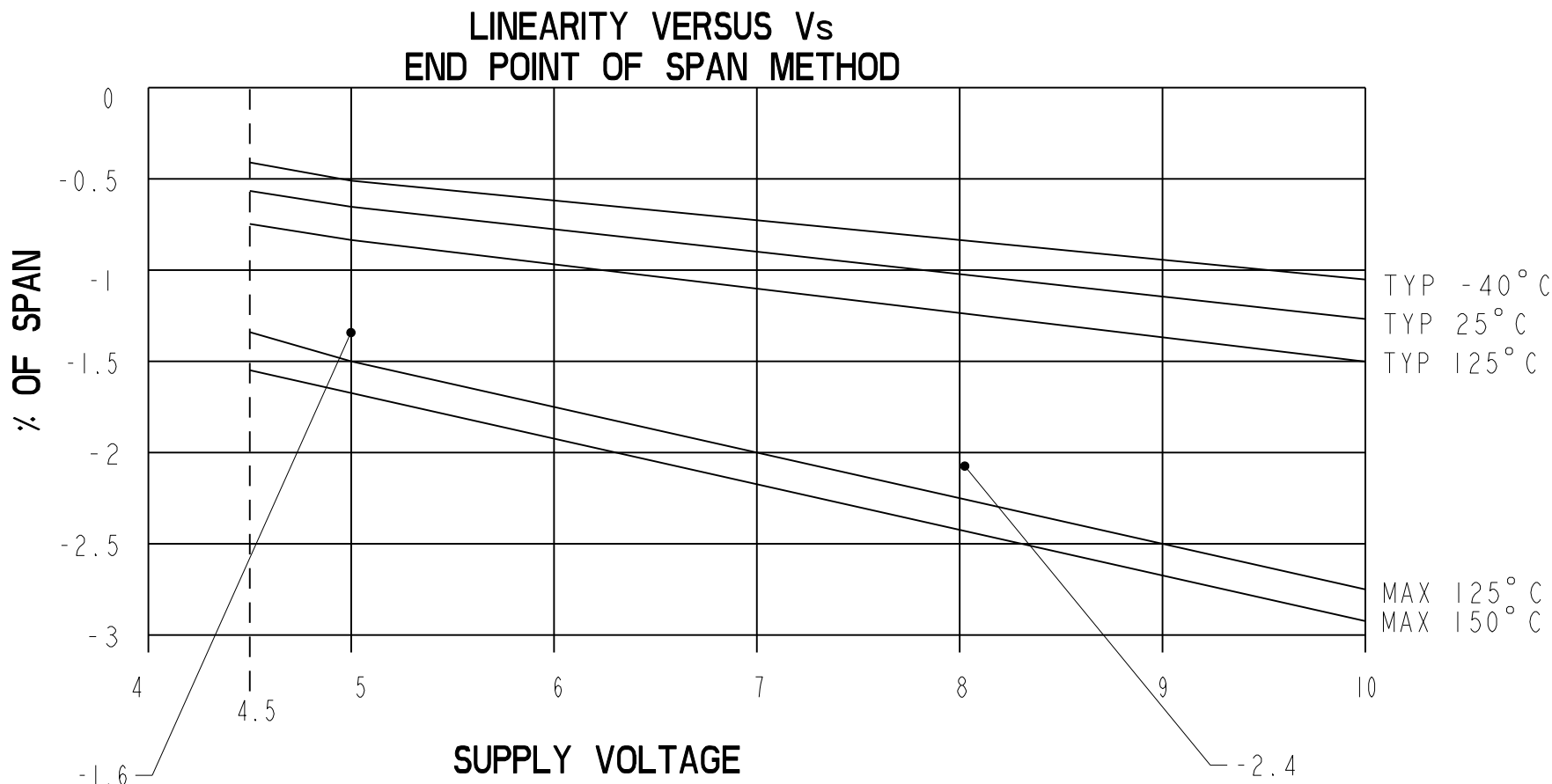
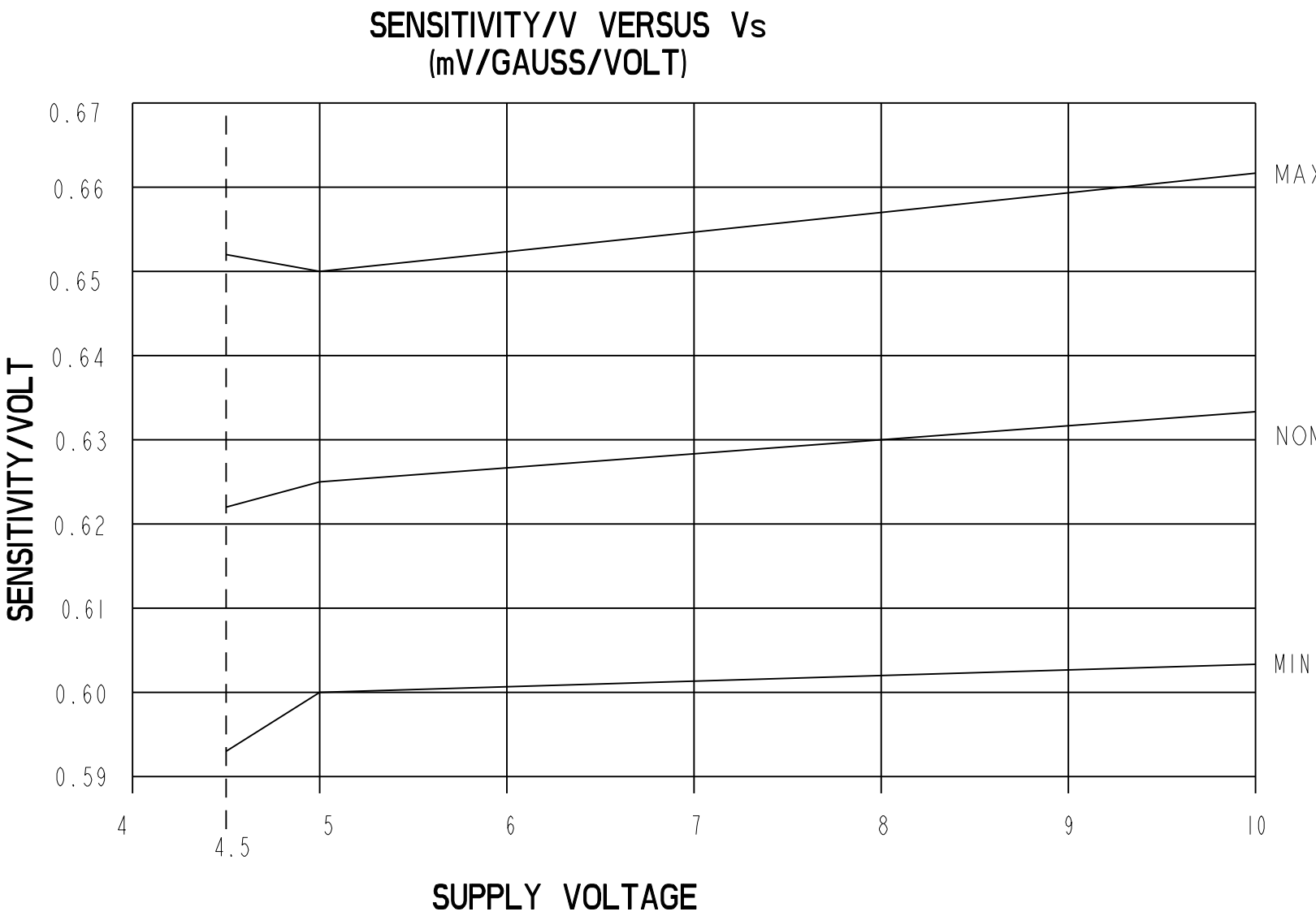
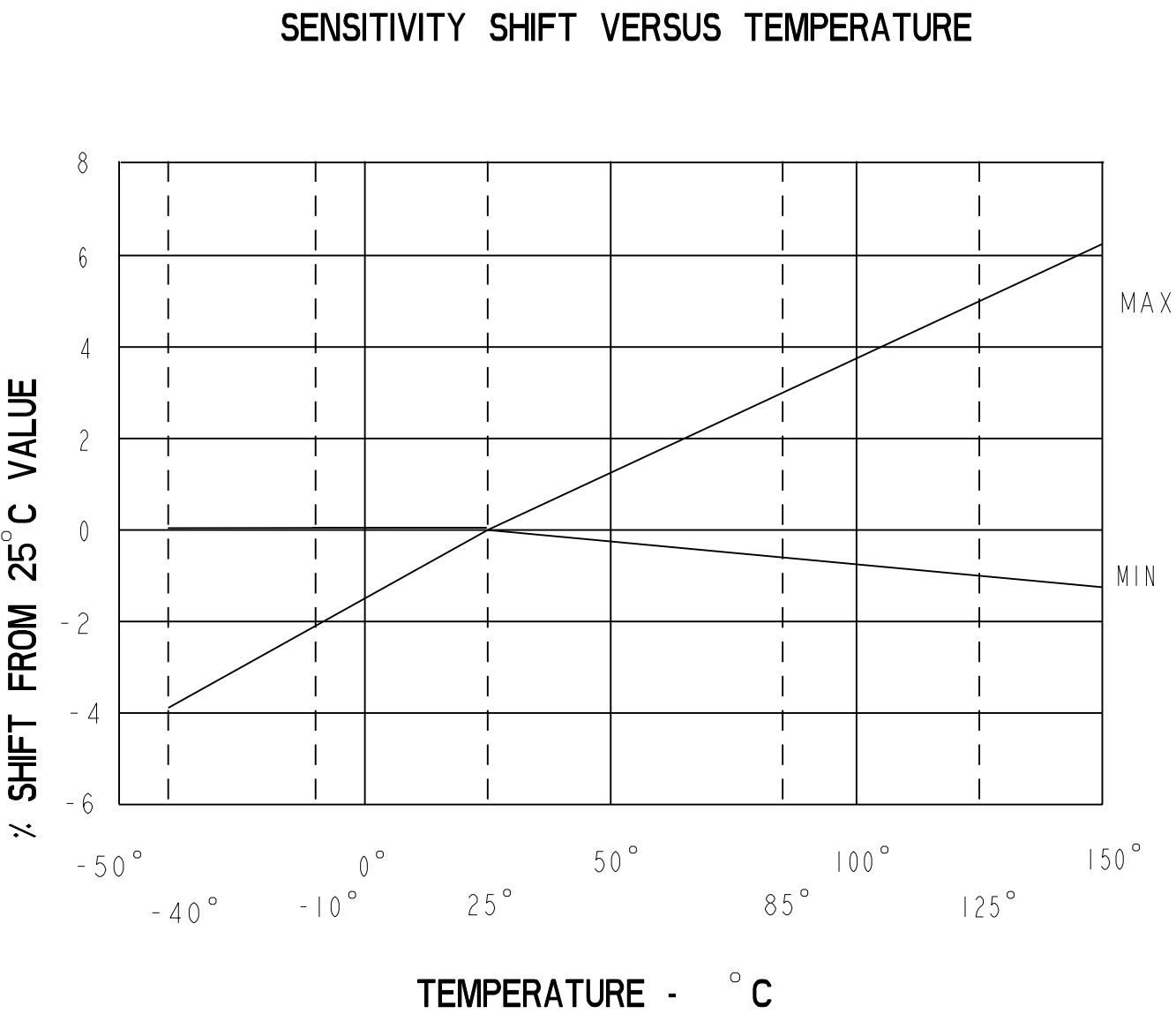
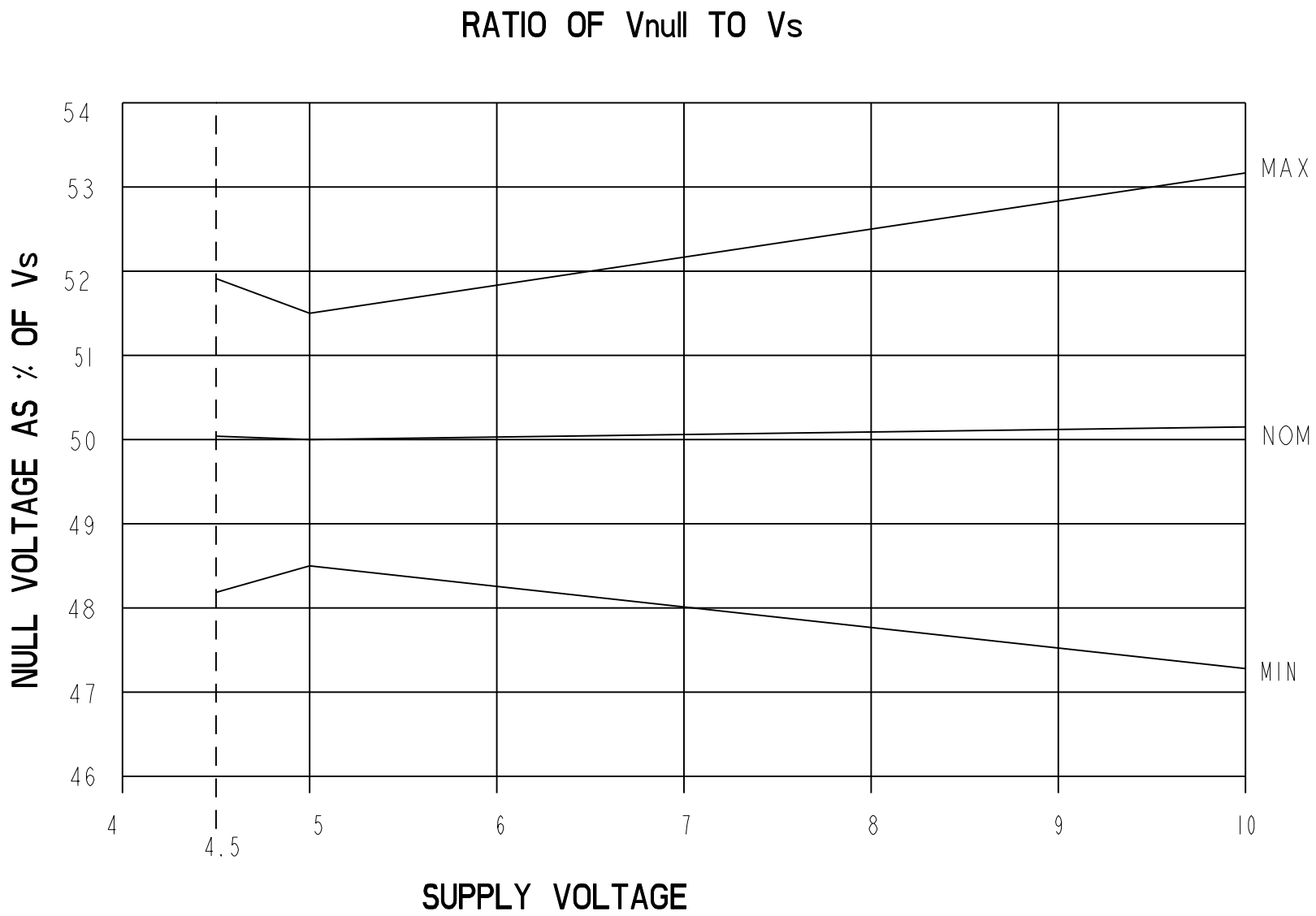
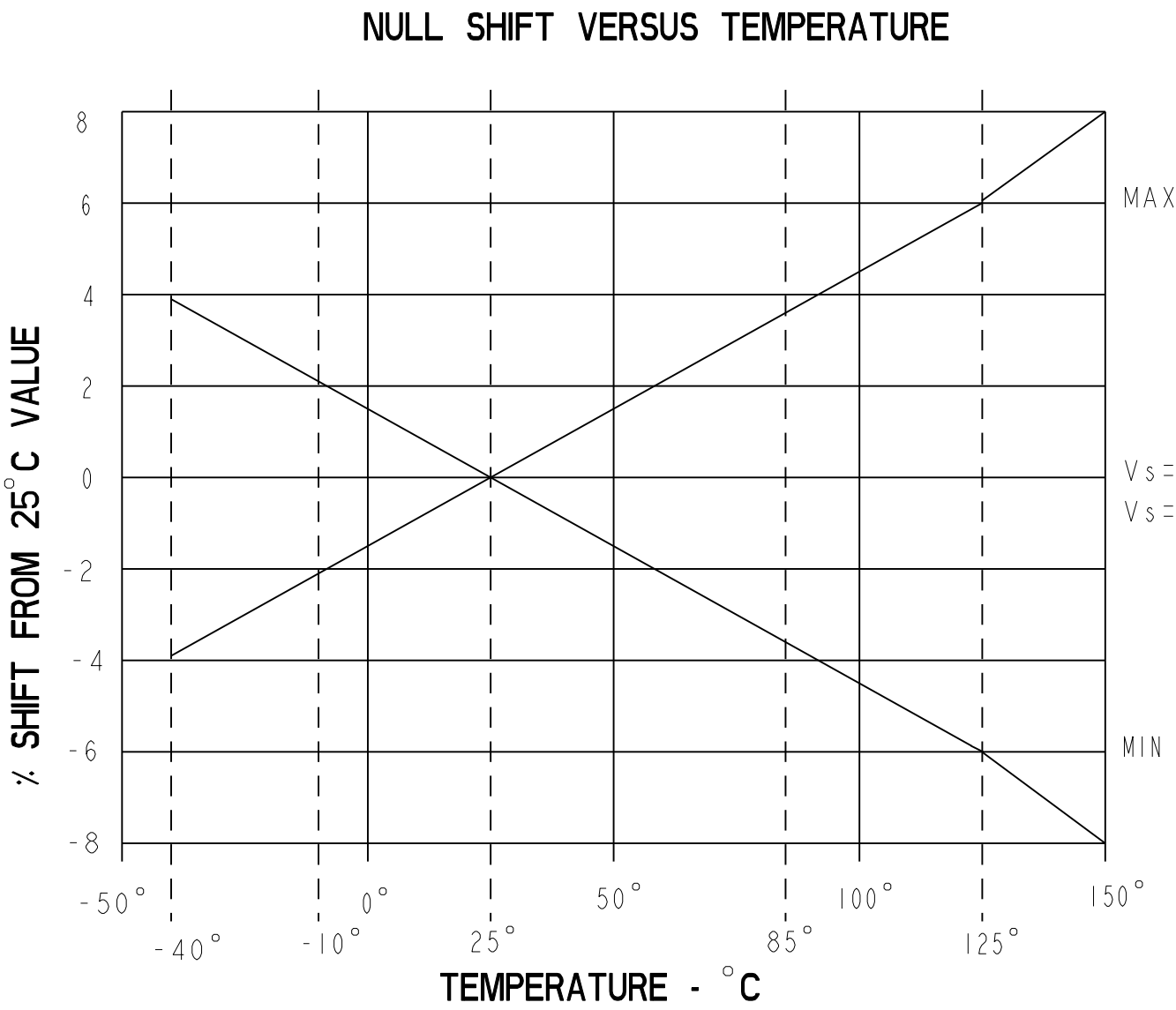
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	T _A = 25° C	3.00	3.125	3.25	mV/GAUSS
NULL	T _A = 25° C	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	T _A = 25° C		7	8.7	mA
OUTPUT CURRENT SOURCE SINK SINK	V _s > 4.5	1mA	1.5mA		
	V _s > 4.5	.6mA	1.5mA		
	V _s > 5.0	1mA	1.5mA		
RESPONSE TIME			3μS		
OUTPUT VOLTAGE SWING VOM - VOM +	-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 MAX	+600	+670		GAUSS
V _{null} DRIFT	B = 0, T _A = 25° C TO 125° C	- .06		+ .06	% / ° C
V _{null} DRIFT	B = 0, T _A = -125° C TO +150° C	- .08		+ .08	% / ° C
SENSITIVITY DRIFT	T _A = +25° C TO +150° C	- .01		+ .05	% / ° C
SENSITIVITY DRIFT	T _A = -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

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

**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	

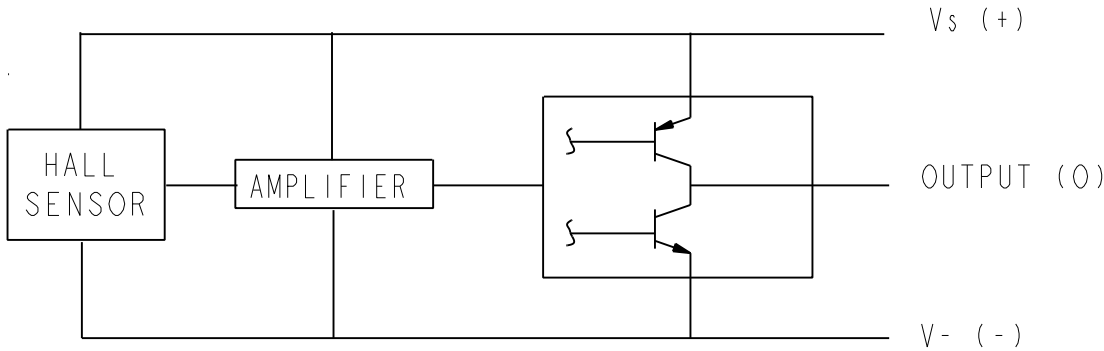
THIRD ANGLE PROJECTION	
	
SCALE	NONE
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) +.030
TWO PLACE	(.00) +.015
THREE PLACE	(.000) +.005
ANGLES	+2°
WEIGHT	

CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA -40°C TO +125°C UNLESS OTHERWISE SPECIFIED					
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 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 LIMITS FOR LINEAR OPERATION	+B APPLIED	Vs -.4	Vs -.2		VOLTS
	-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

SS495A2

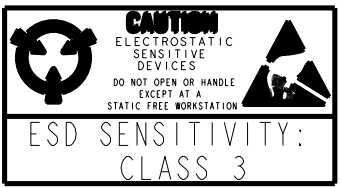
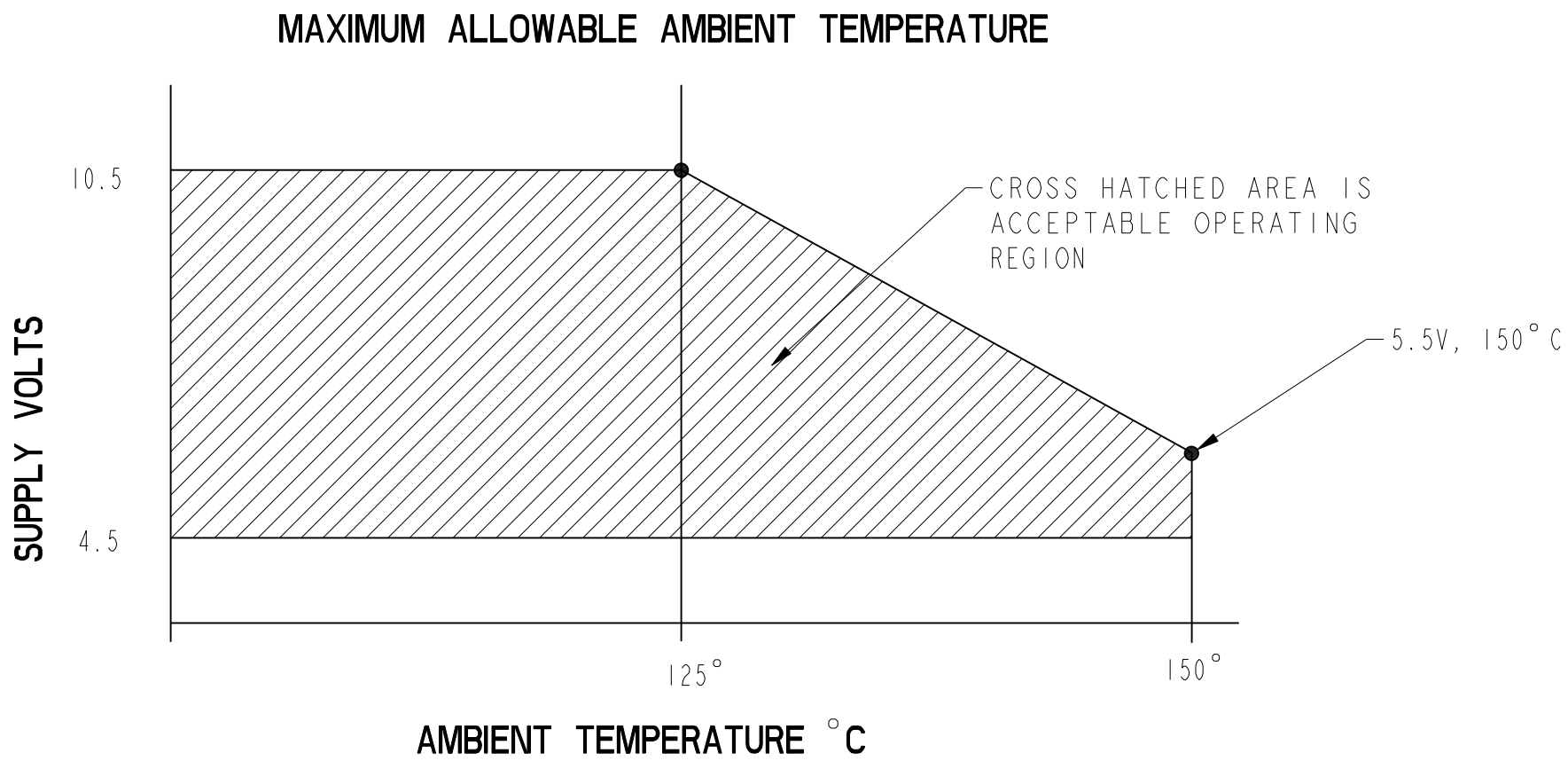
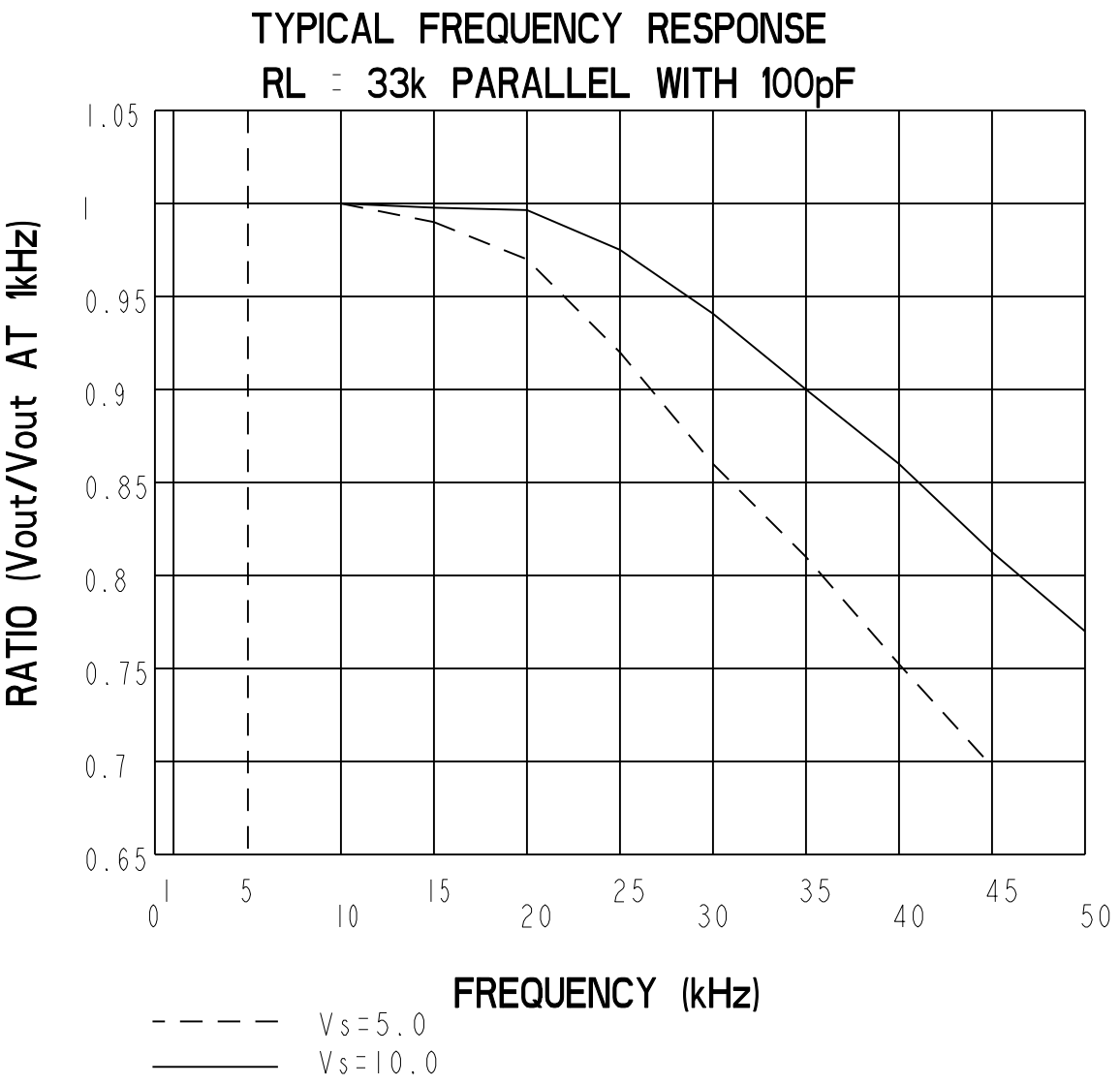
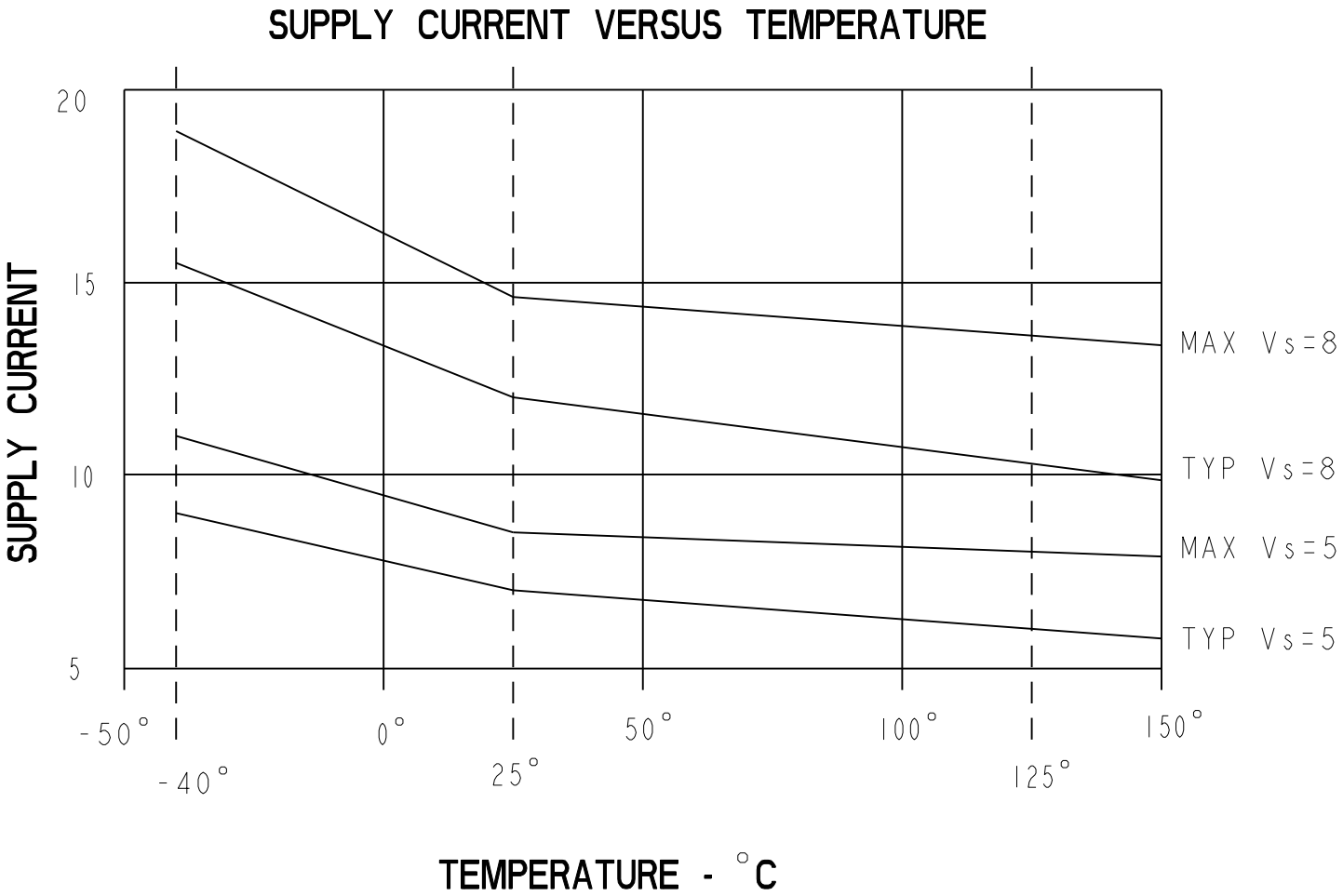
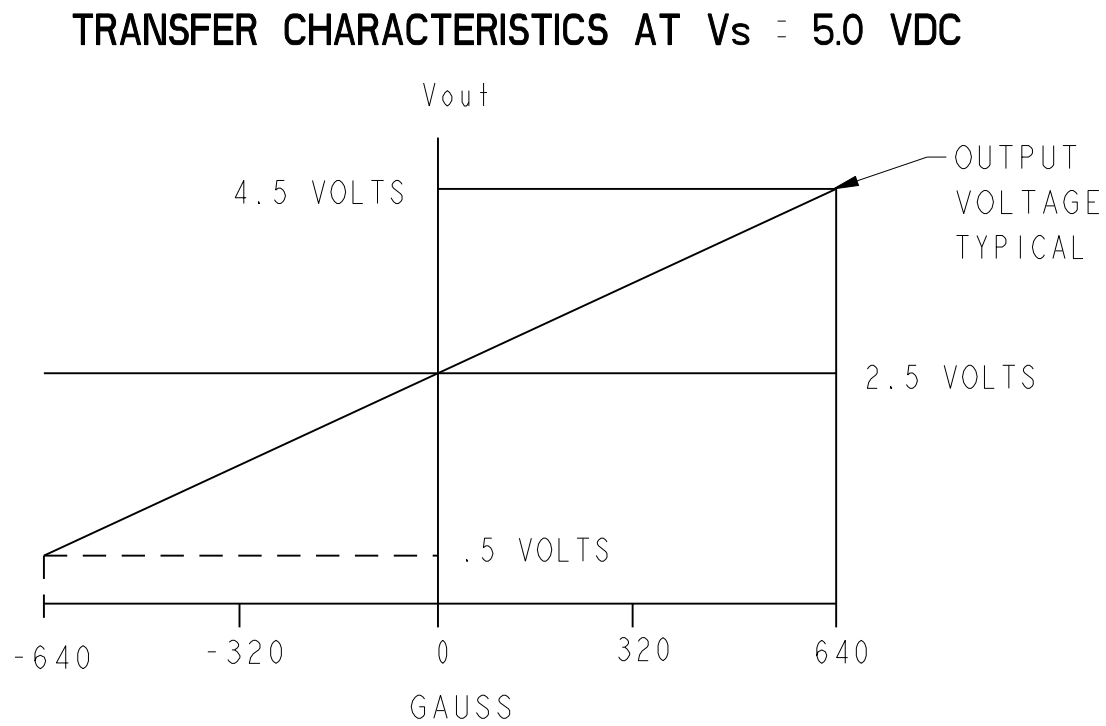
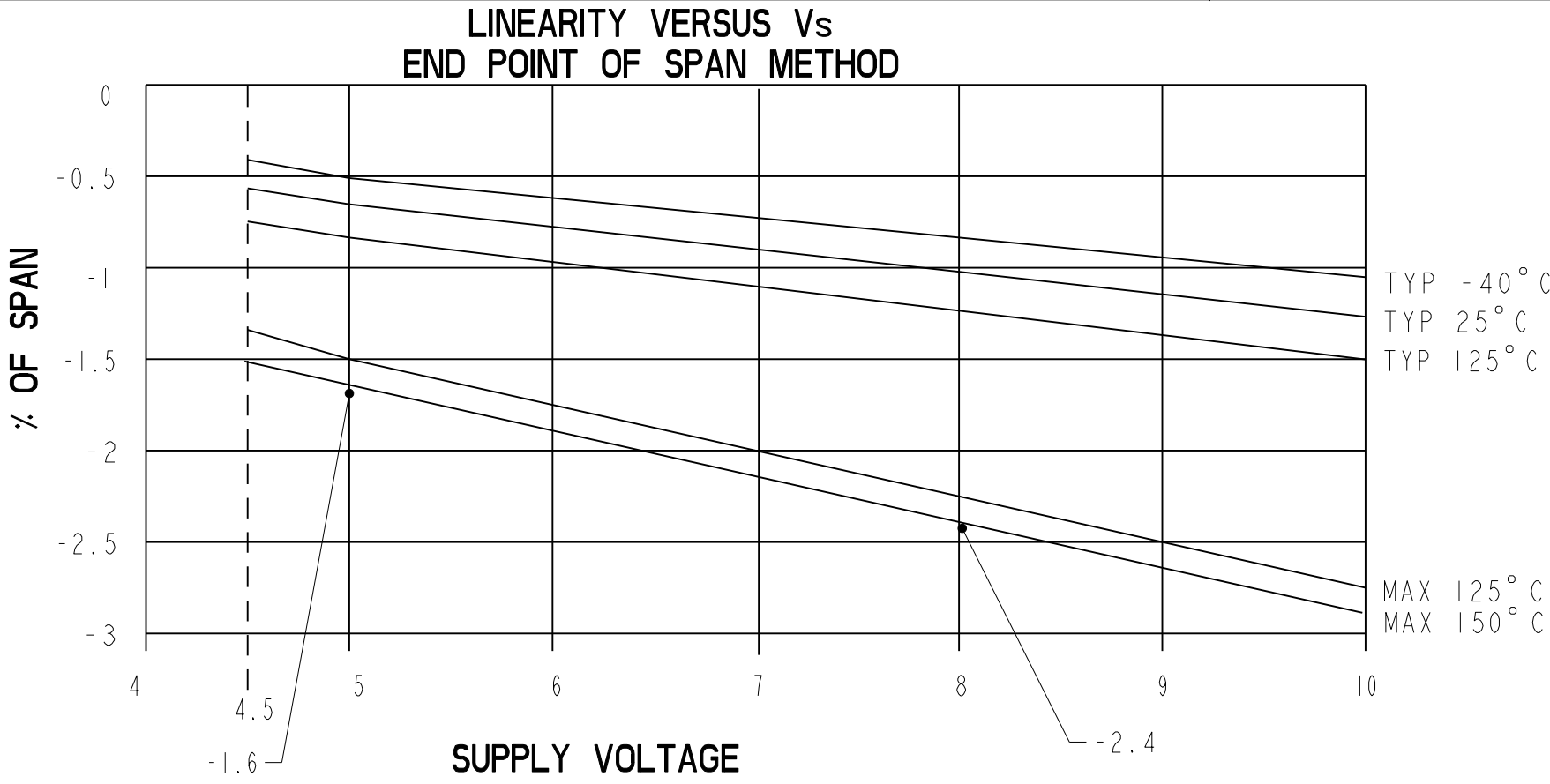
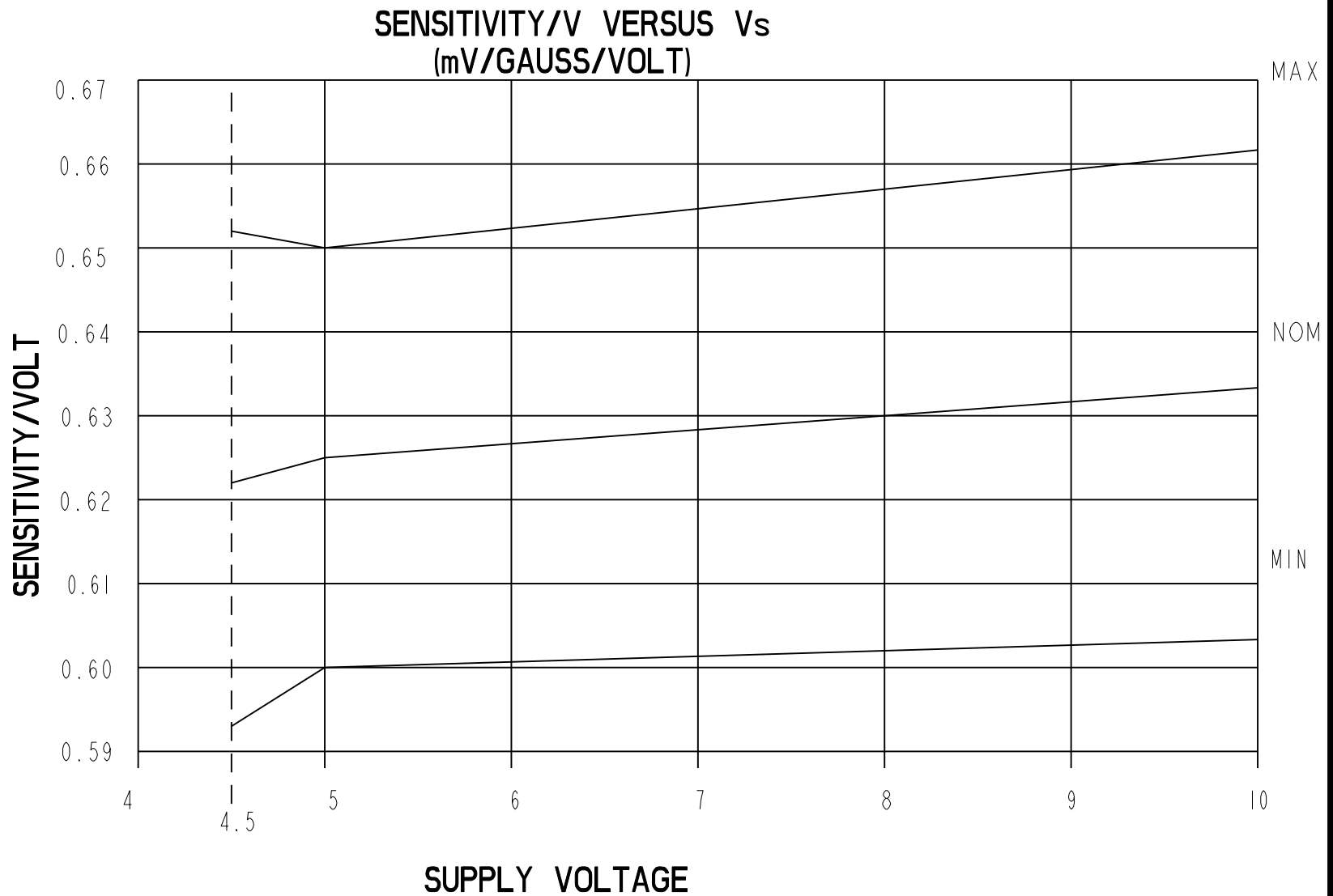
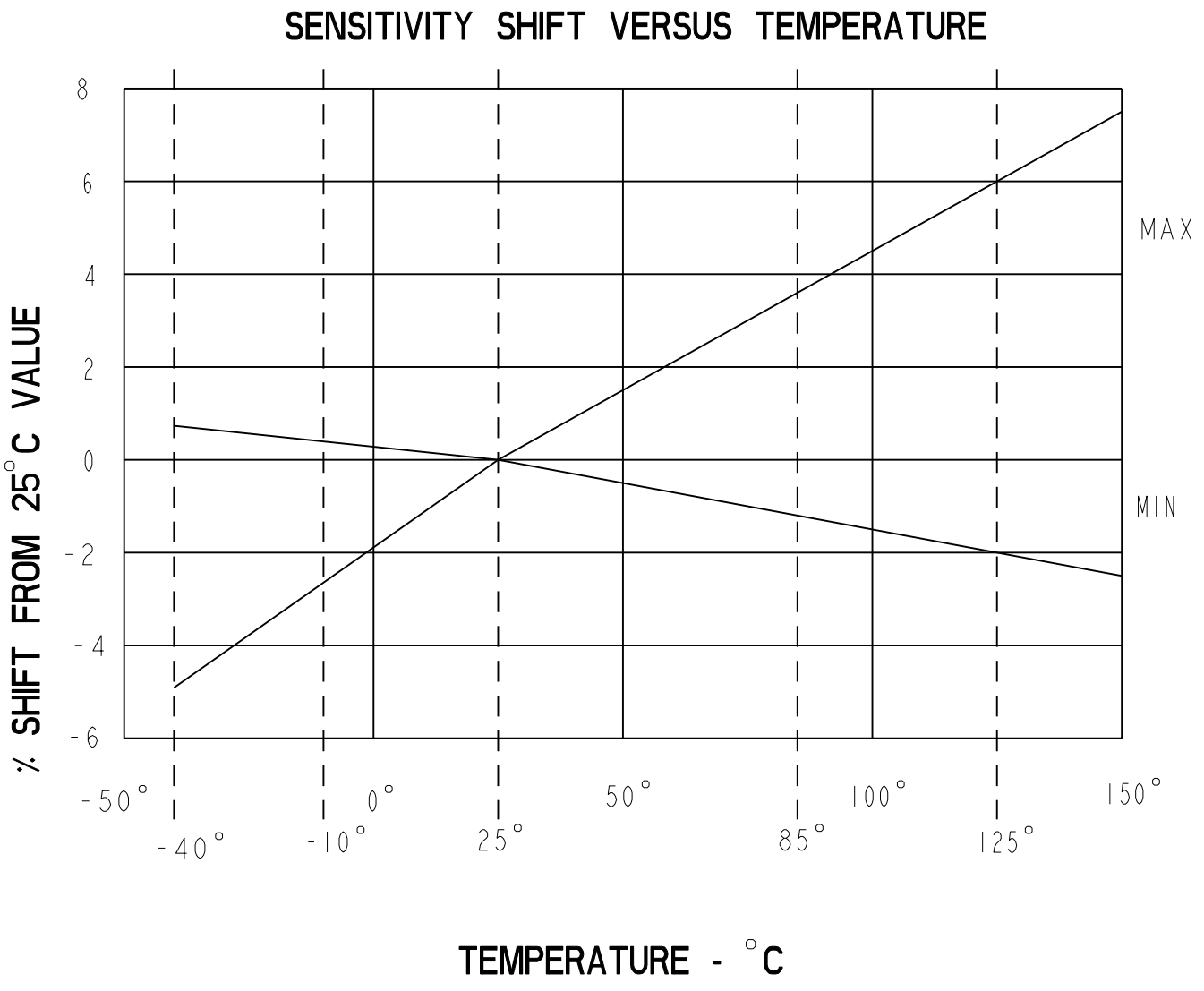
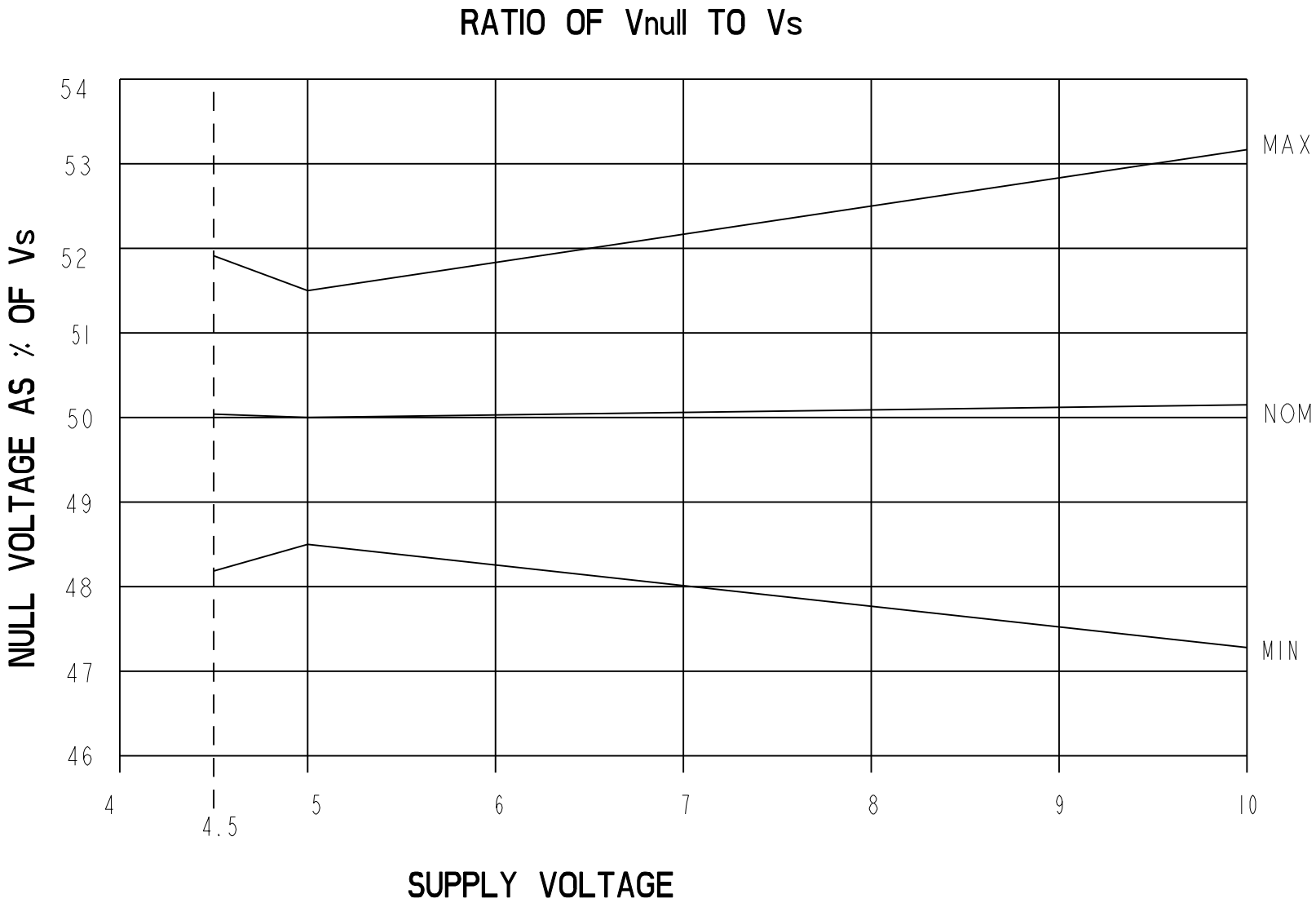
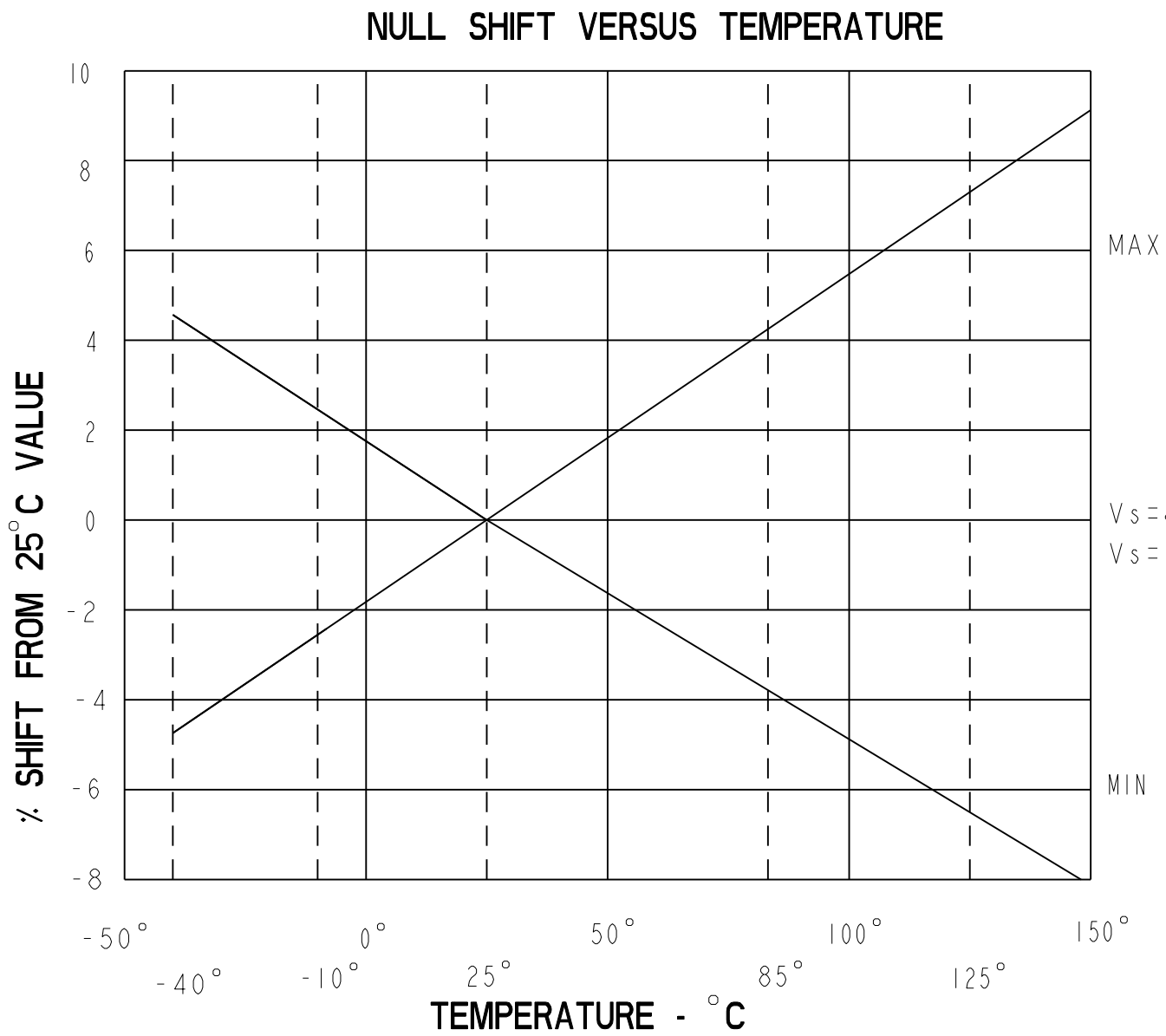
SS495 SERIES CHART 1

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



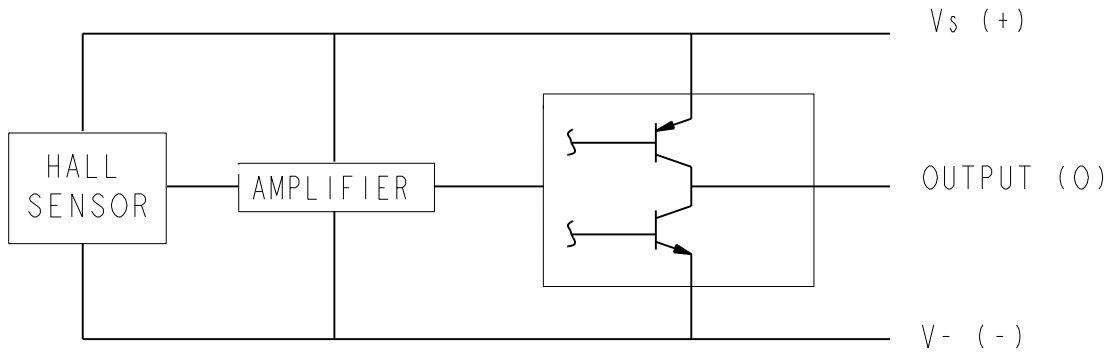
CHARACTERISTICS ARE AT Vs5.00 WITH 4.7K OUTPUT TO MINUS WITH TA -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495B

SS495 SERIES CHART 1

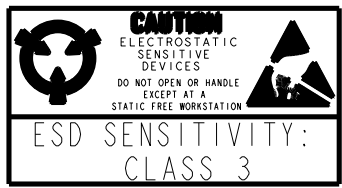
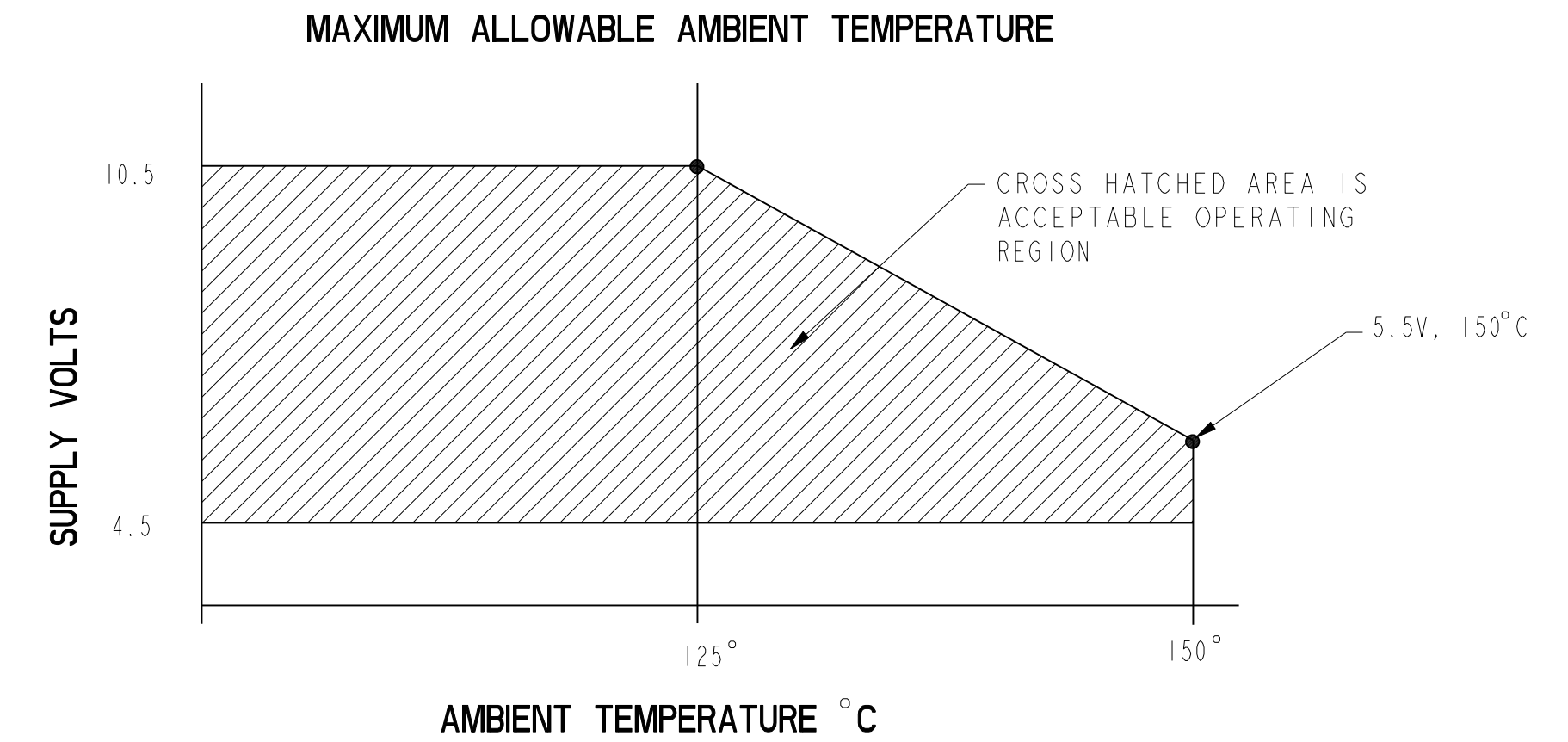
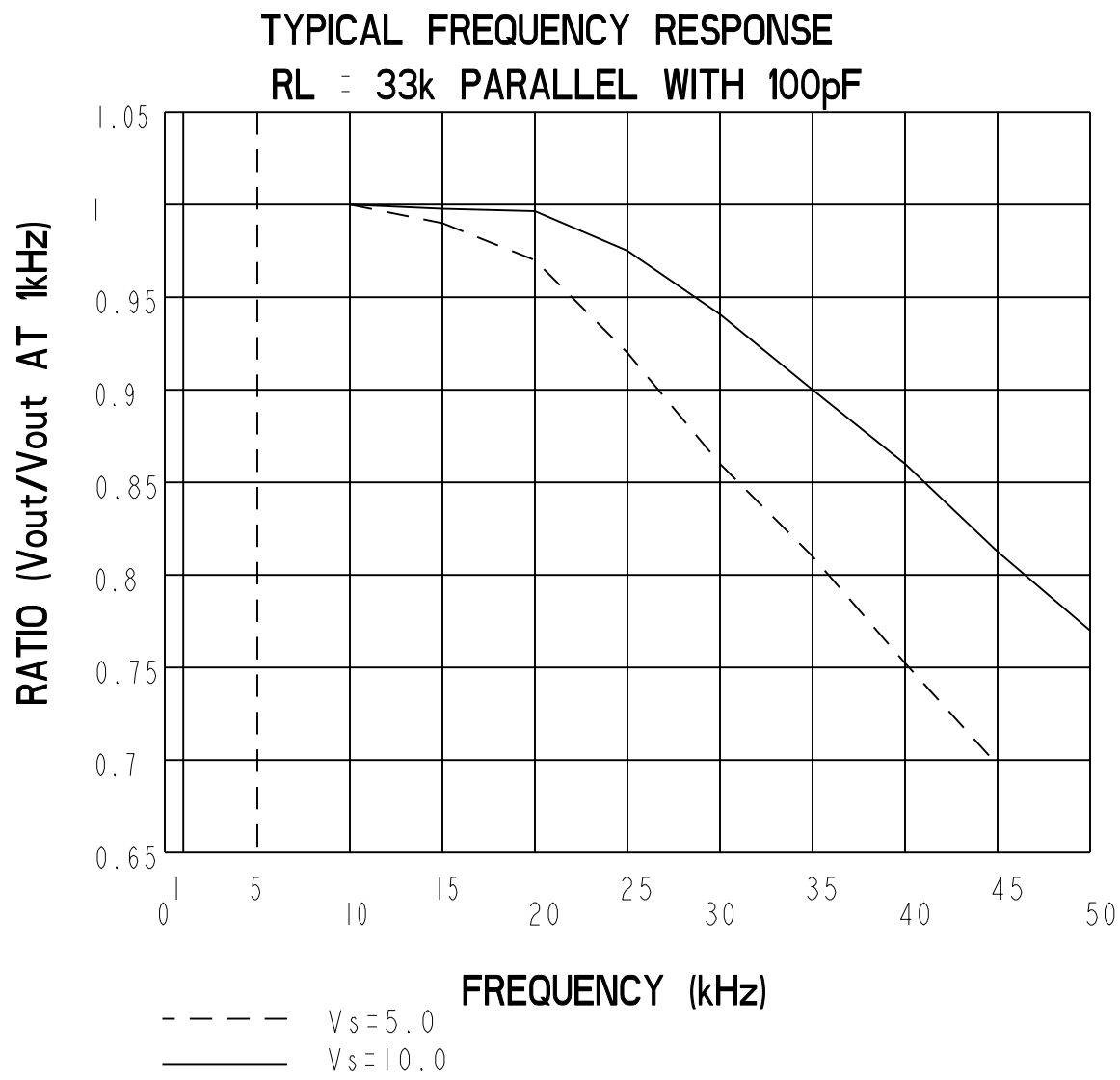
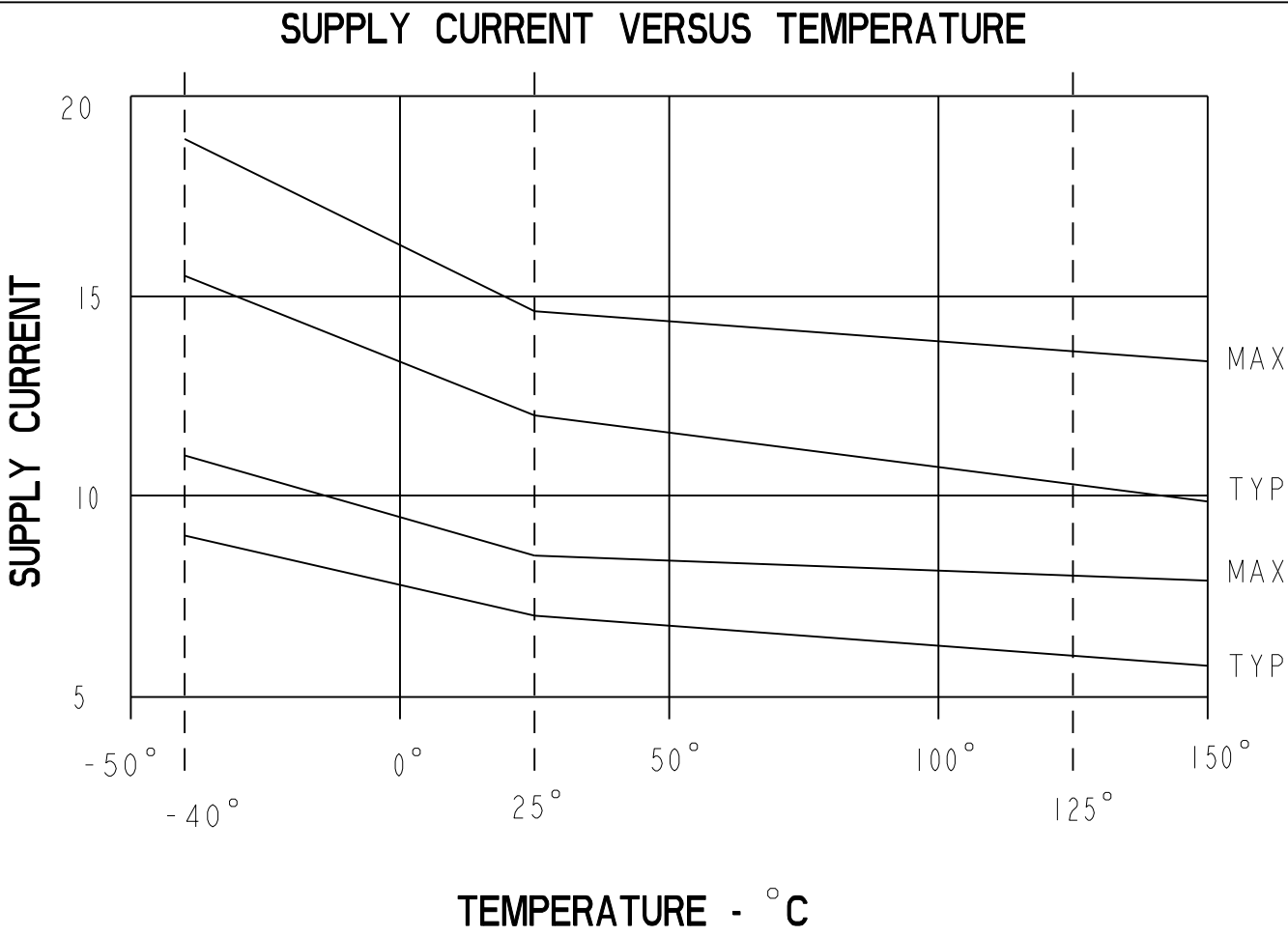
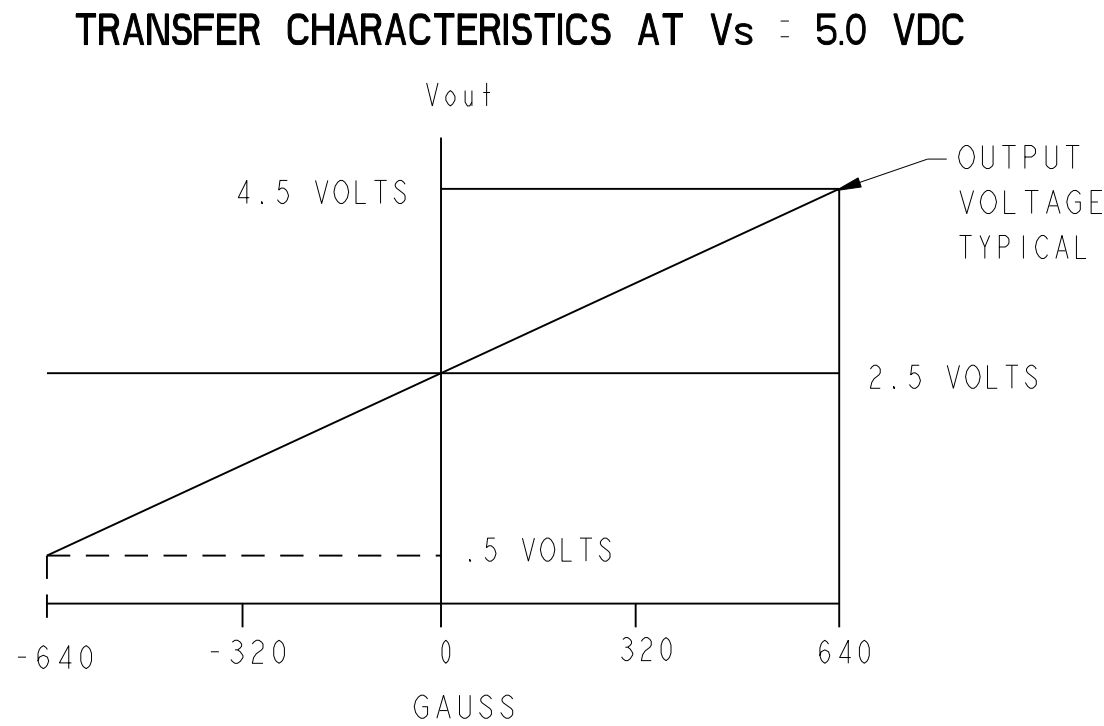
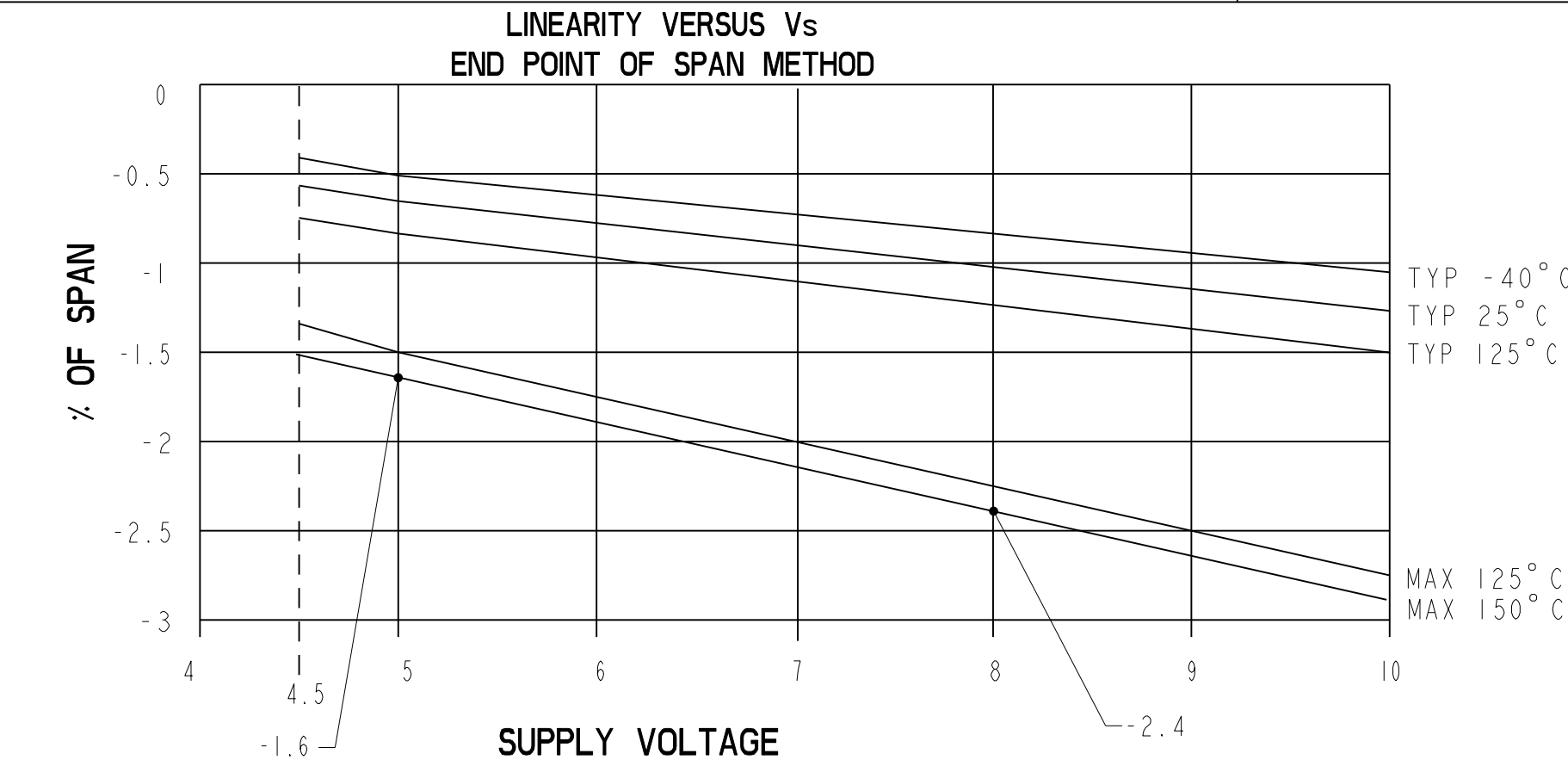
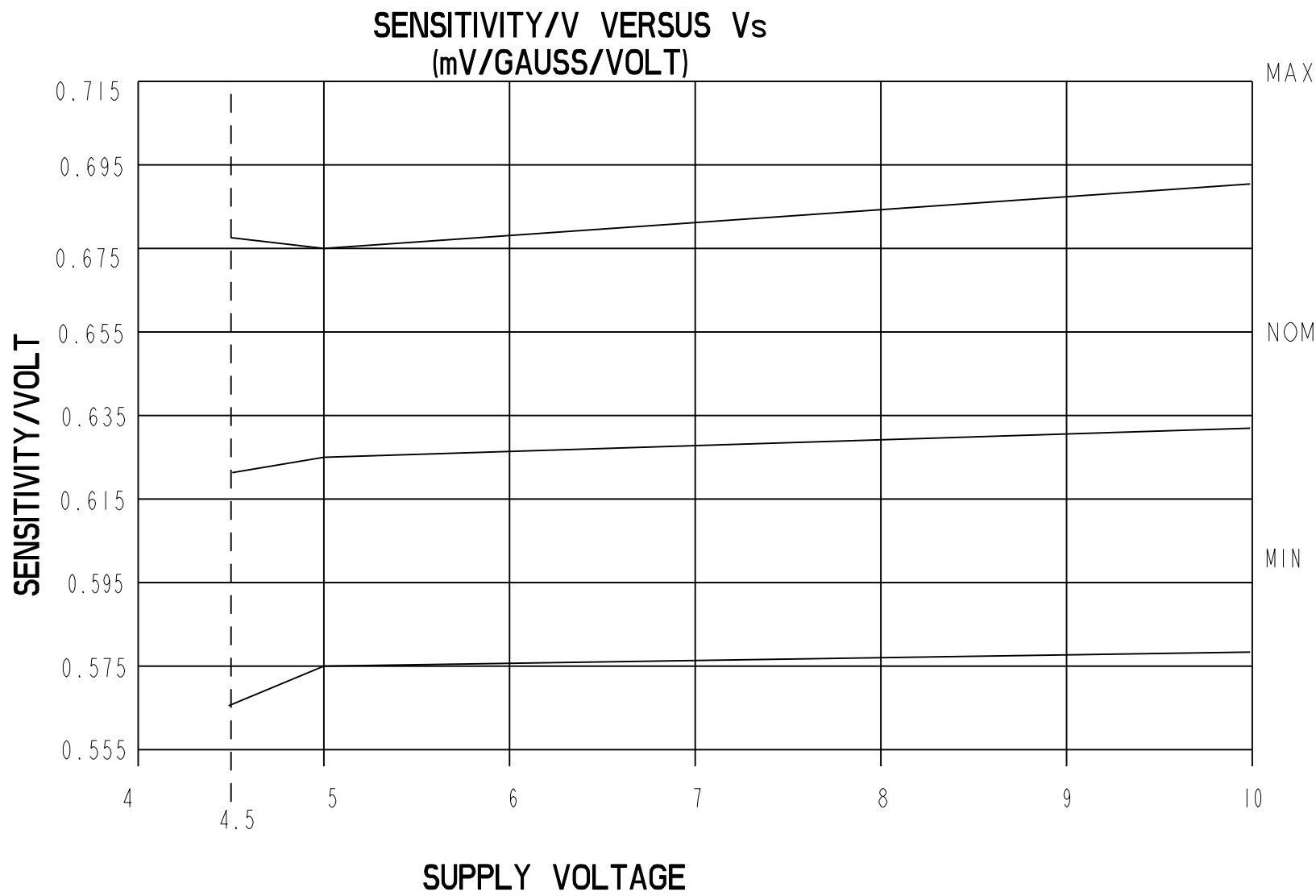
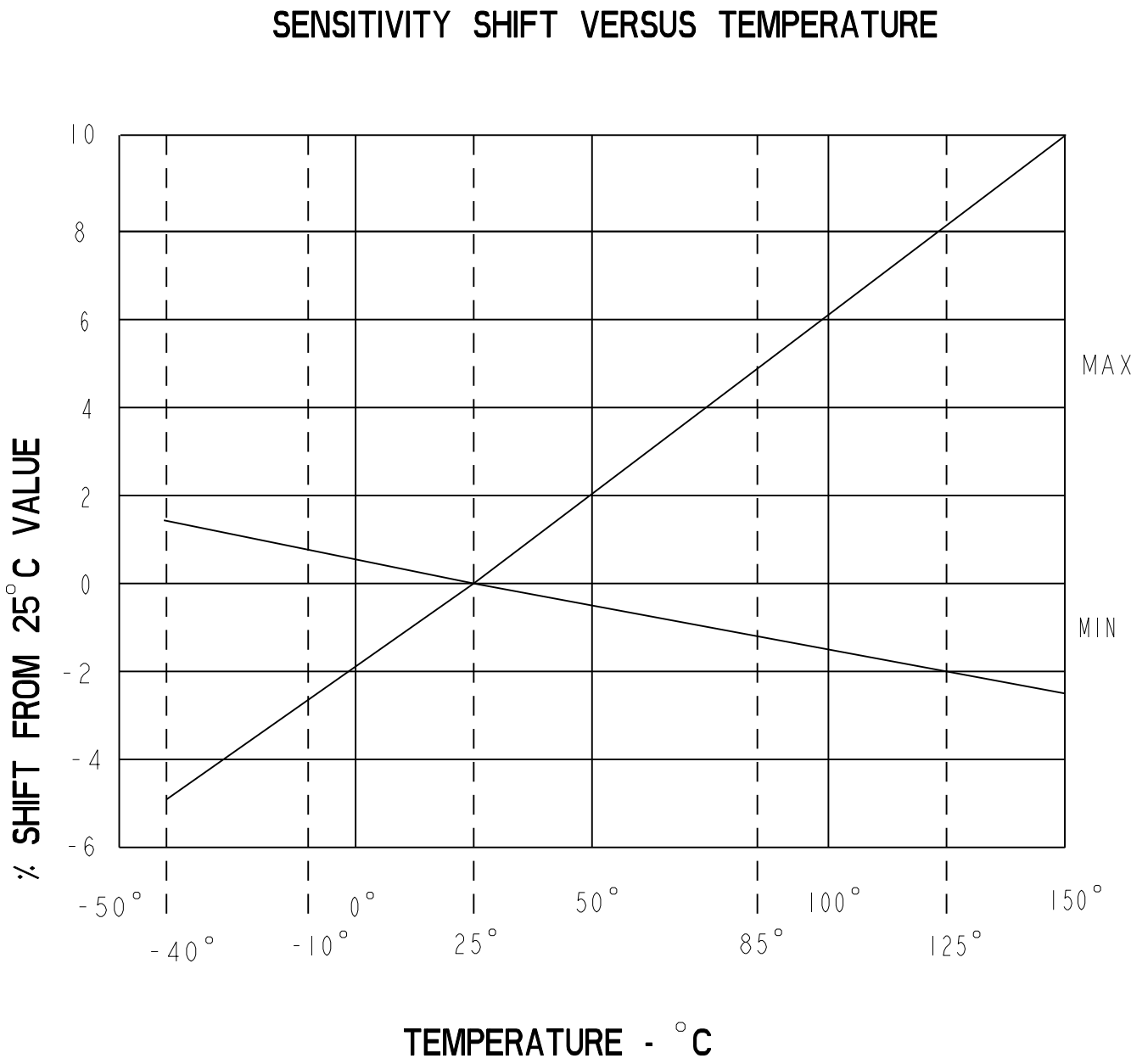
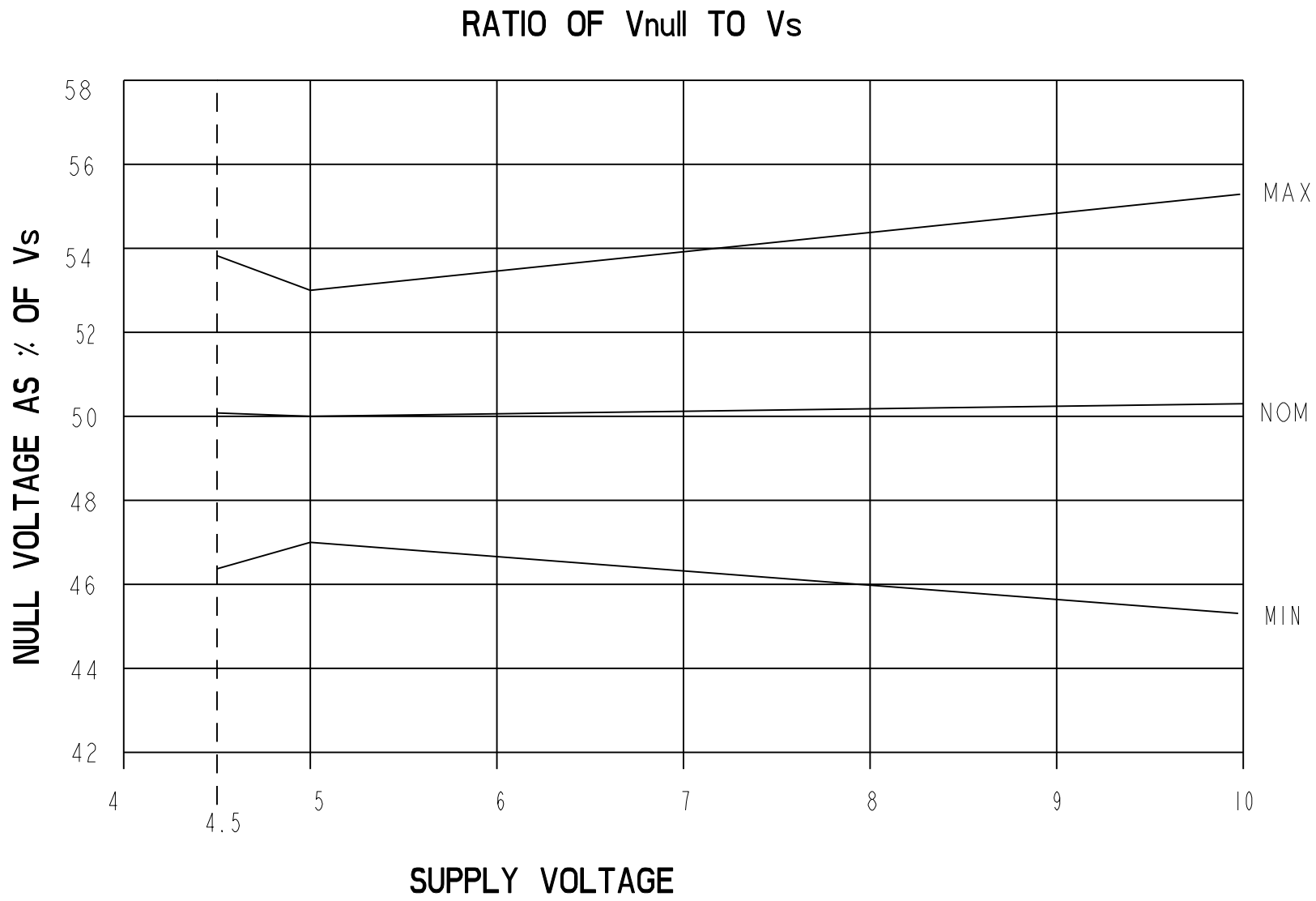
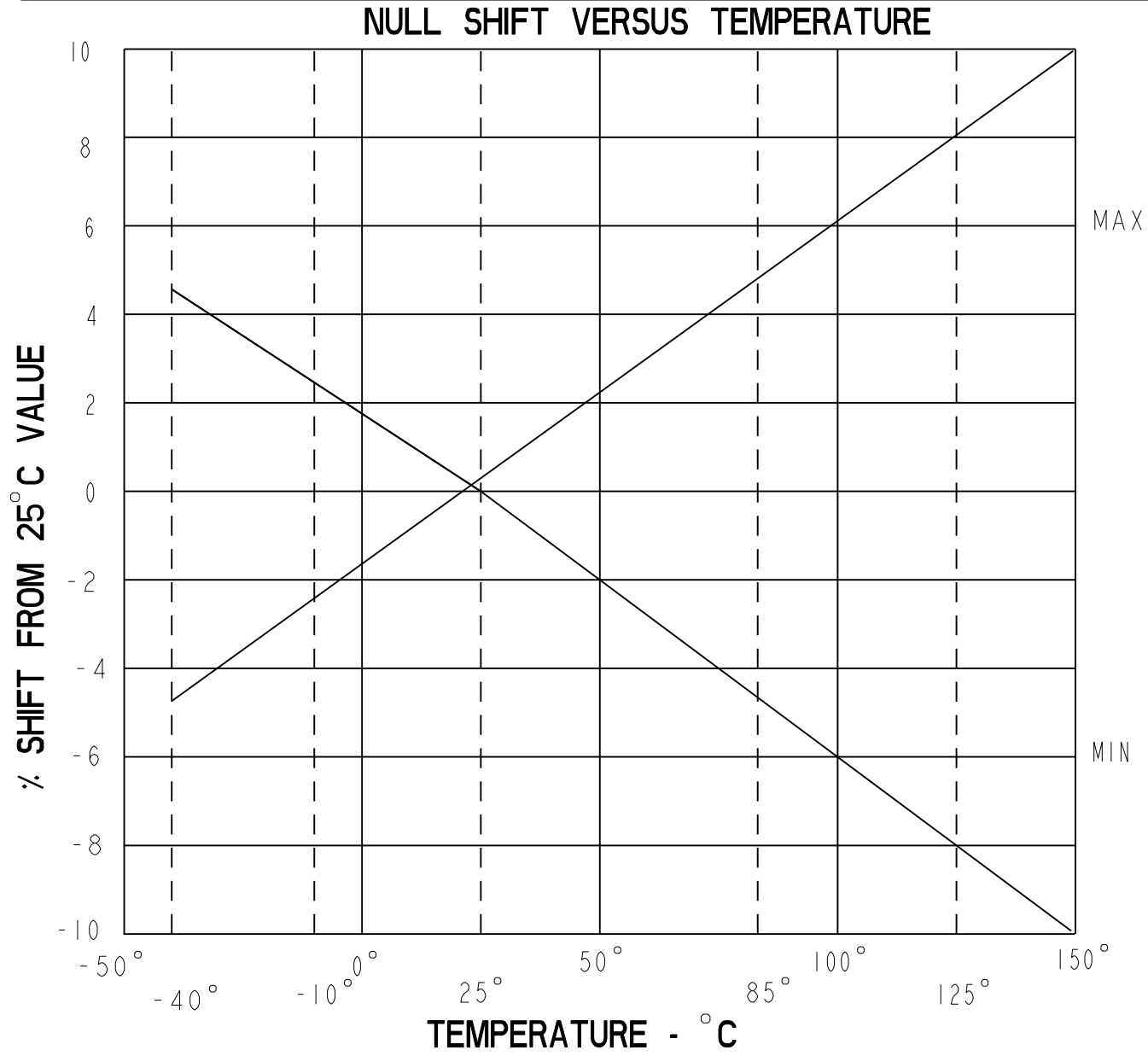
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	TA = 25°C	2.875	3.125	3.375	mV/GAUSS
NULL	TA = 25°C	2.35	2.50	2.650	VOLTS
SUPPLY CURRENT	TA = 25°C		7	8.7	mA
OUTPUT CURRENT SOURCE	Vs > 4.5	1mA	1.5mA		
SINK	Vs > 4.5	.6mA	1.5mA		
SINK	Vs > 5.0	1mA	1.5mA		
RESPONSE TIME			3μs		
OUTPUT VOLTAGE SWING		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



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FED. MFG. CODE 91929

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ESD SENSITIVITY:
CLASS 3

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	

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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www.lifeelectronics.ru