

|                                                                                       |        |        |
|---------------------------------------------------------------------------------------|--------|--------|
| THIRD ANGLE PROJECTION                                                                |        |        |
|  |        |        |
| SCALE                                                                                 | 5:1    |        |
| DO NOT SCALE PRINT                                                                    |        |        |
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES ARE                                          |        |        |
| ONE PLACE                                                                             | (.0)   | + .030 |
| TWO PLACE                                                                             | (.00)  | + .015 |
| THREE PLACE                                                                           | (.000) | + .005 |
| ANGLES                                                                                |        | + 2°   |

CENTERLINE OF HALO 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 - RATIONOMETRIC

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

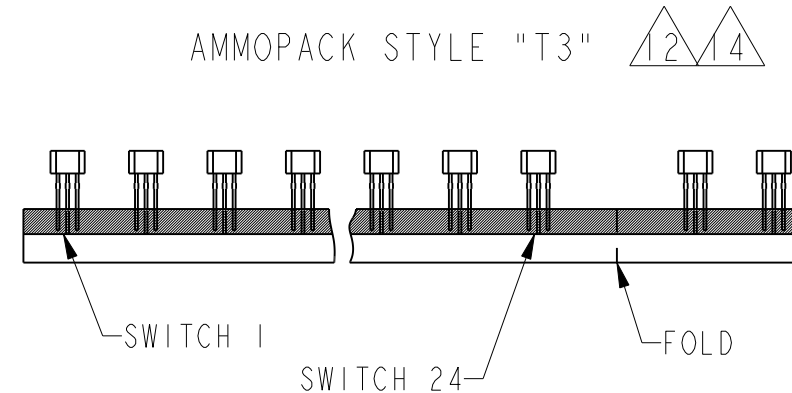
11 LEAD STRAIGHTNESS MAY BE DETERIORATED ON SOME UNITS BY BULK PACKAGING. APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION

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

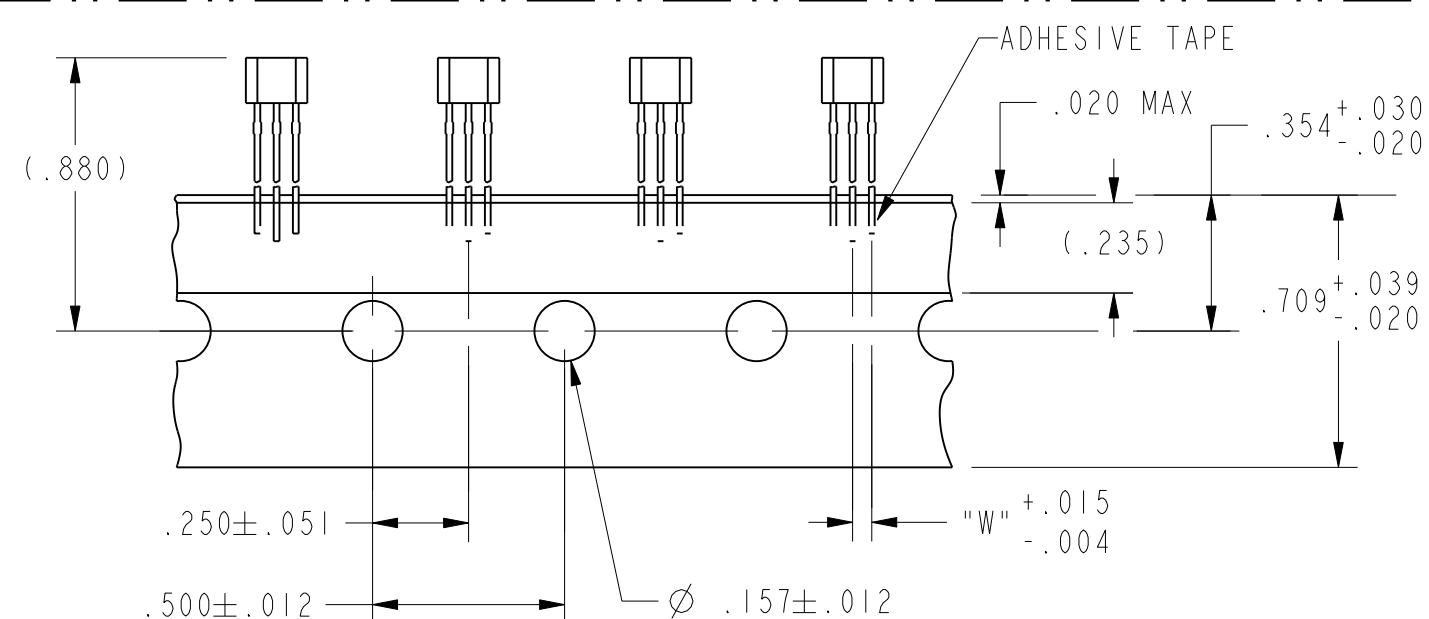
13 MOLDED PART DIMENSIONS DO NOT INCLUDE FLASH. FLASH IS LIMITED TO .005 MAX

14 TAPE AND AMMOPACK PER EIA-468

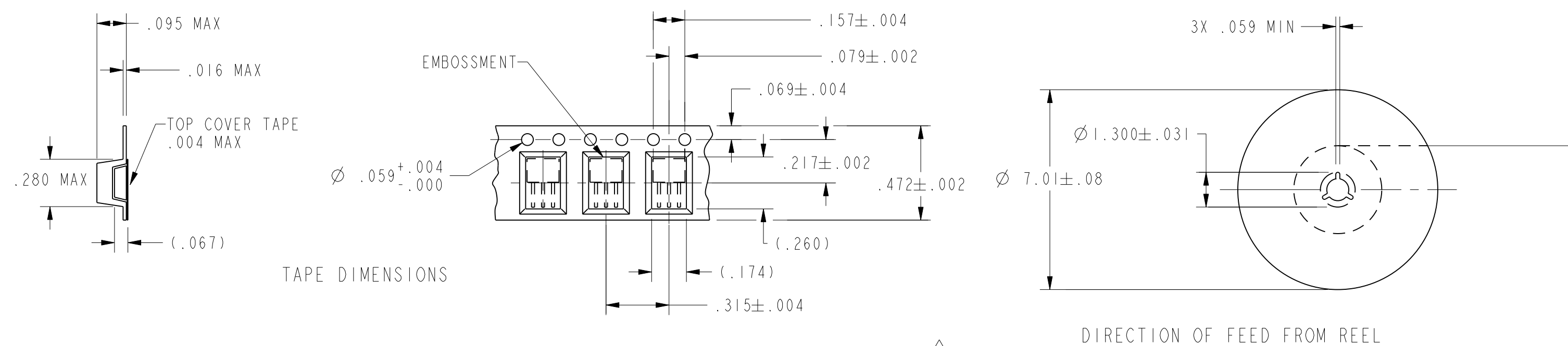
15 POCKET TAPE PER EIA-481



### TAPE DIMENSIONS

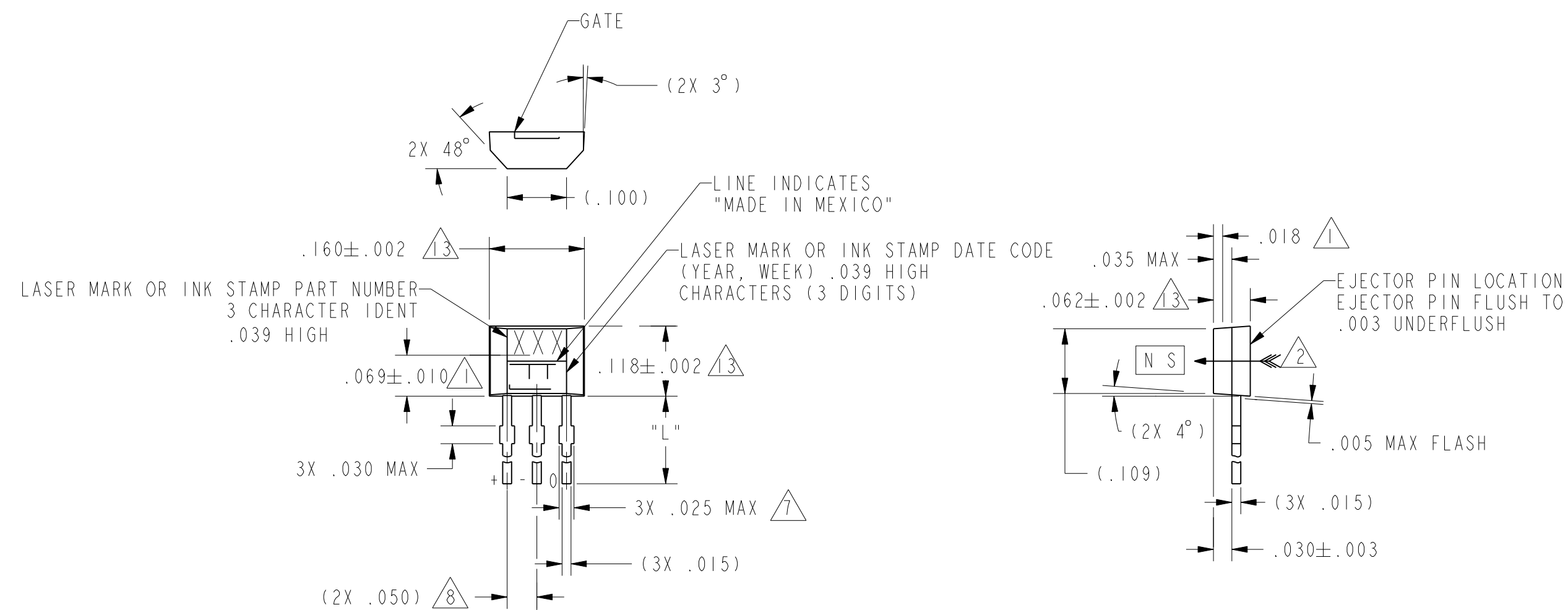


### TAPE DIMENSIONS

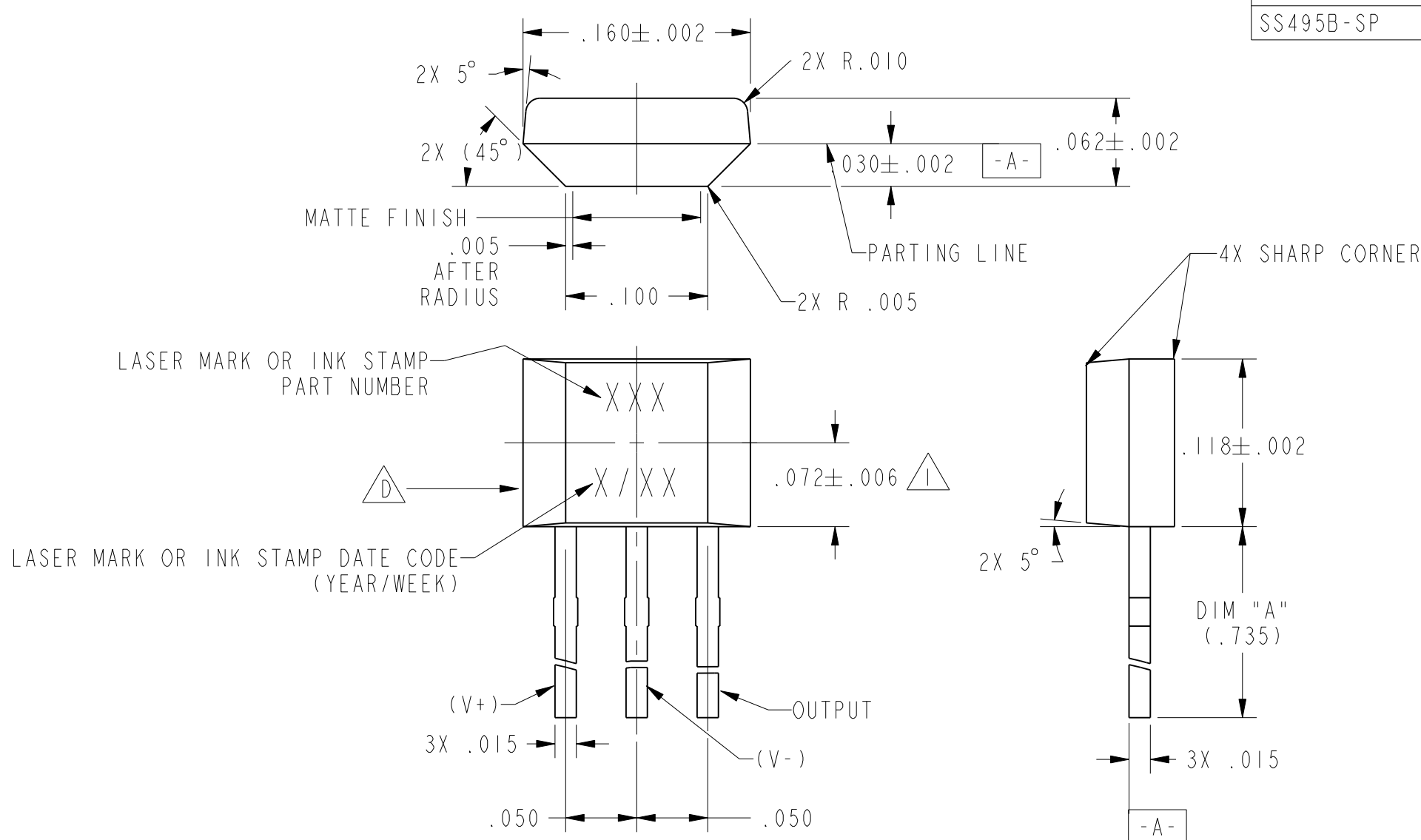
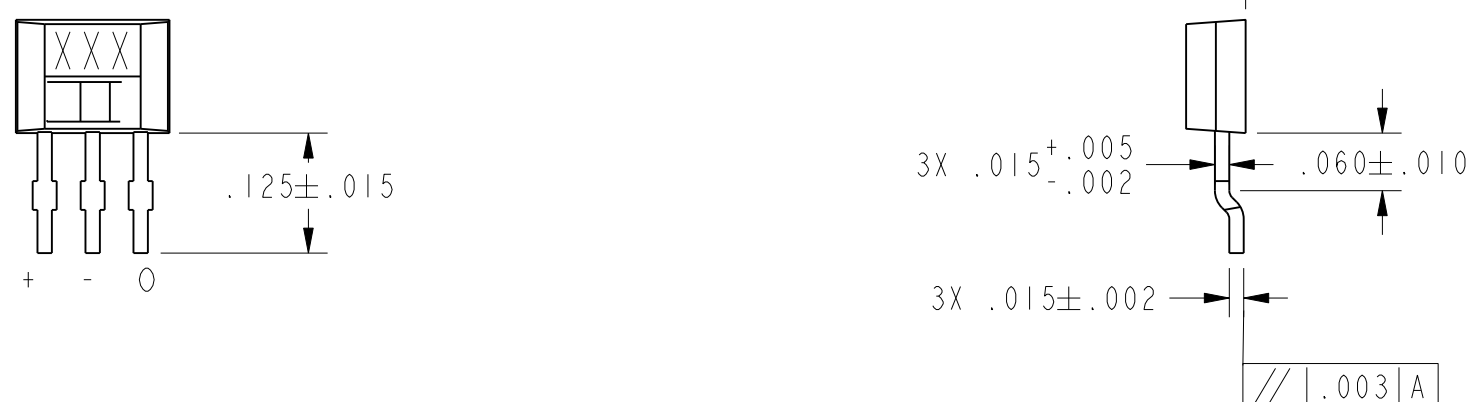


### TAPE DIMENSIONS

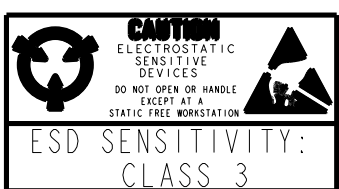
TAPE STYLE "P" 



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

CATALOG LISTING

**SS495 SERIES CHART 1**

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

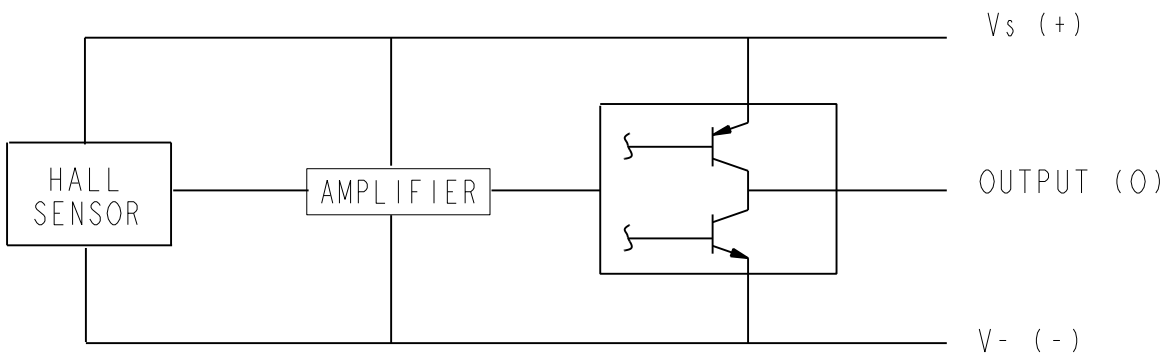
CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA= -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495A

SS495 SERIES CHART 1

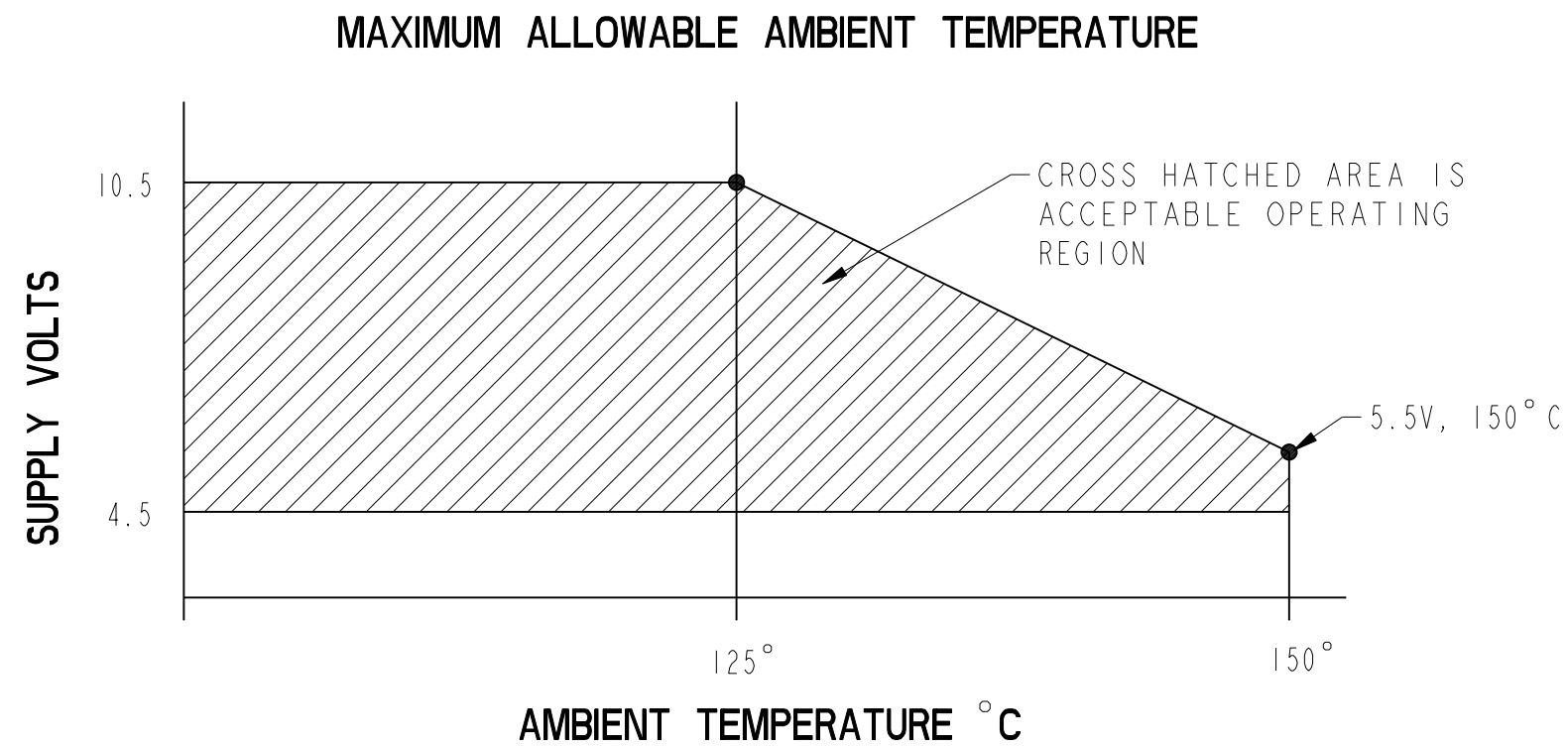
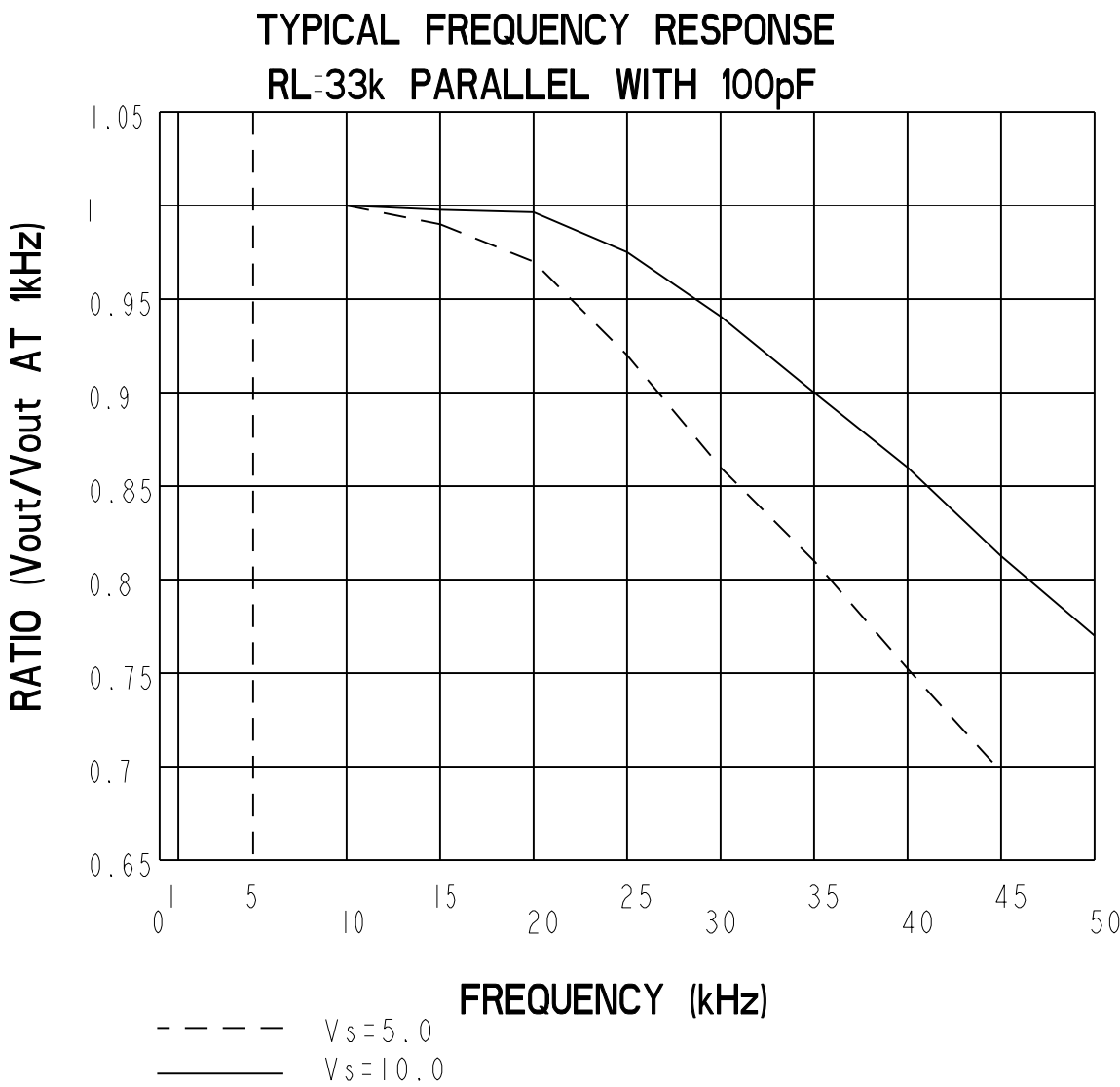
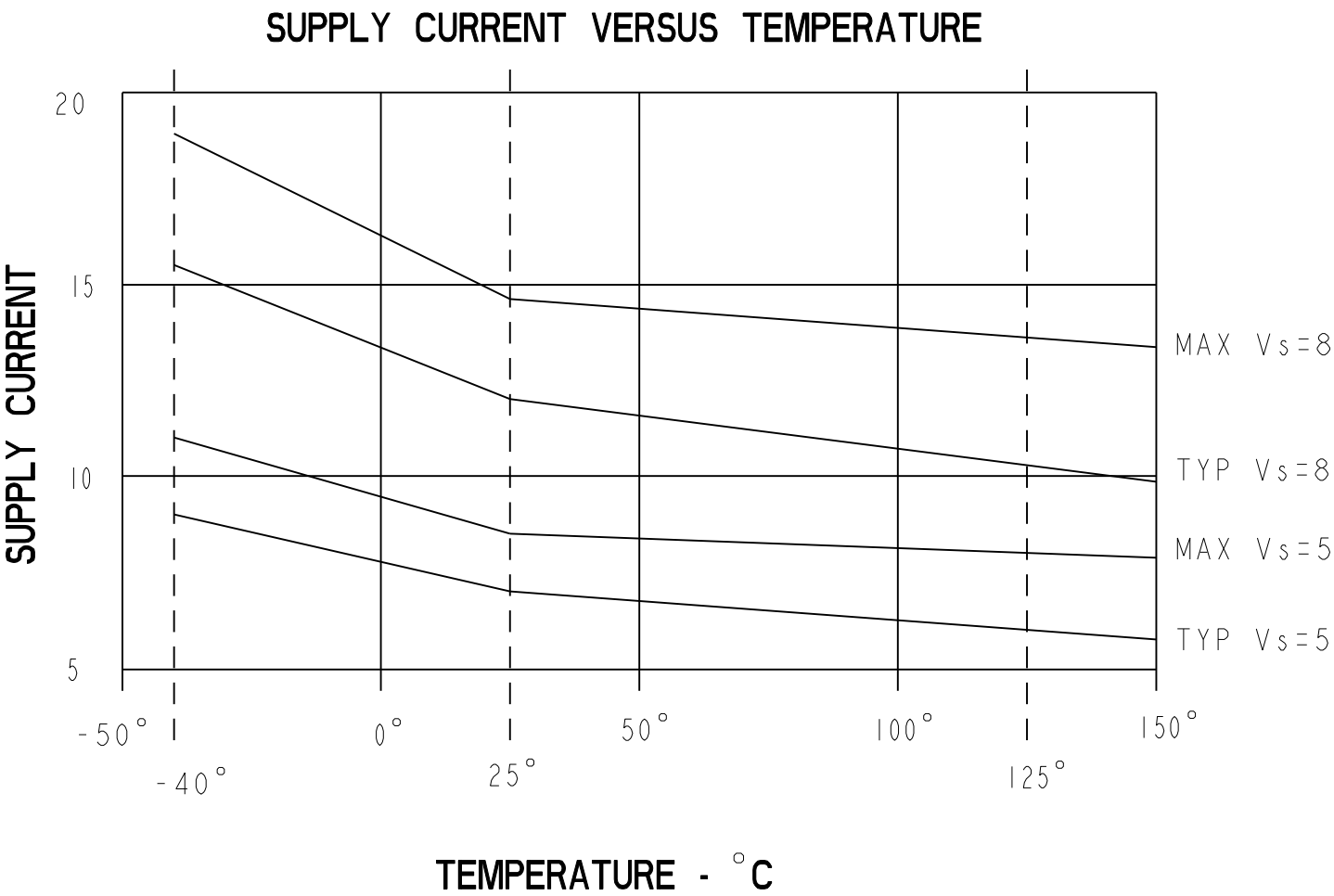
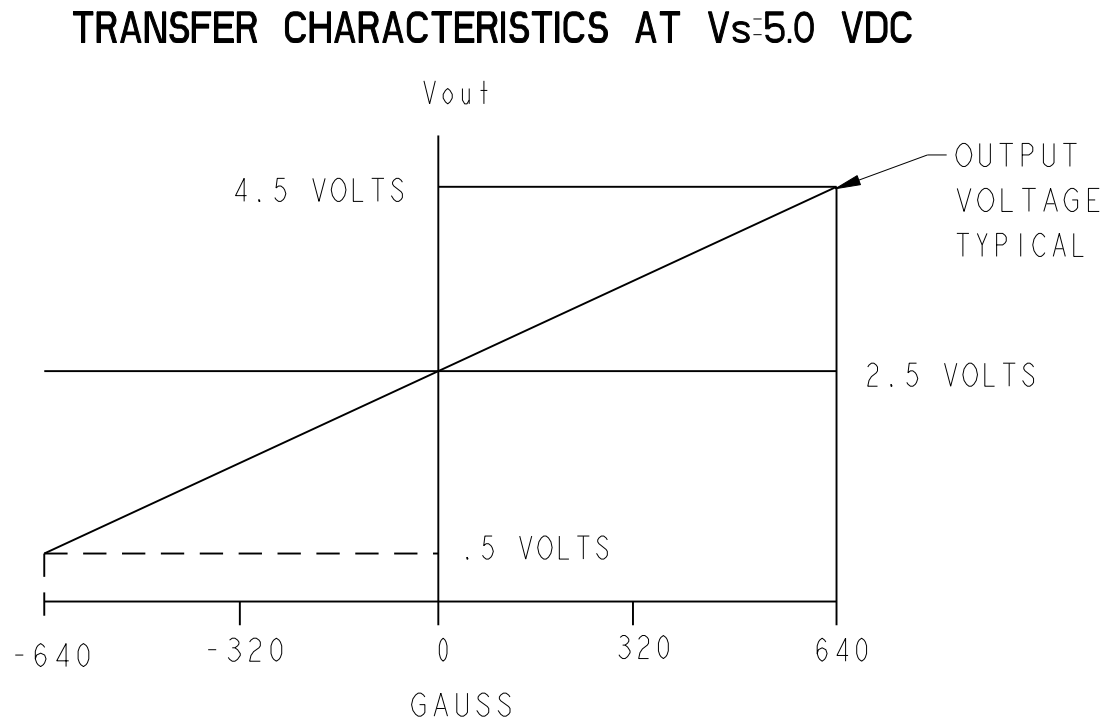
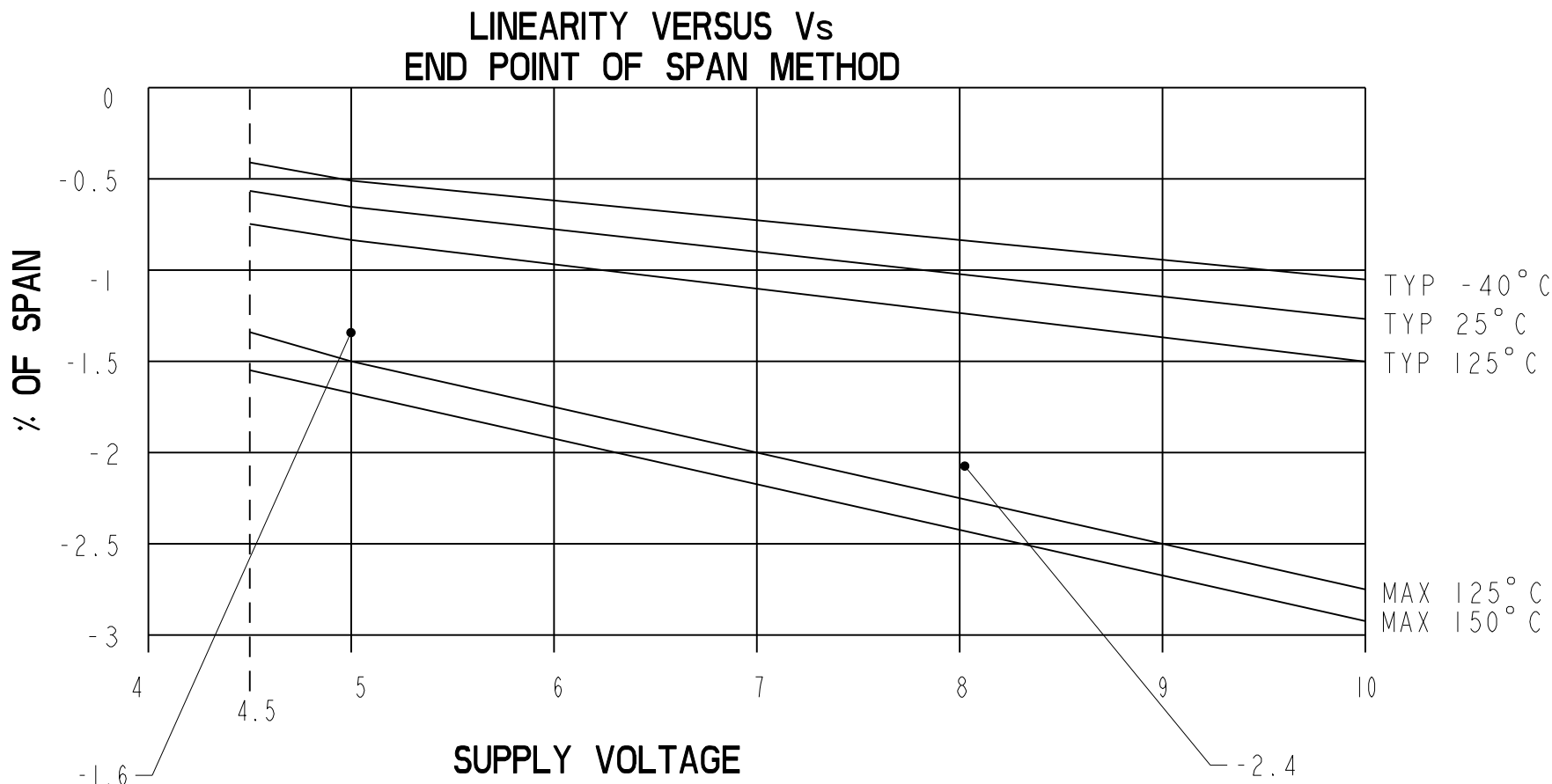
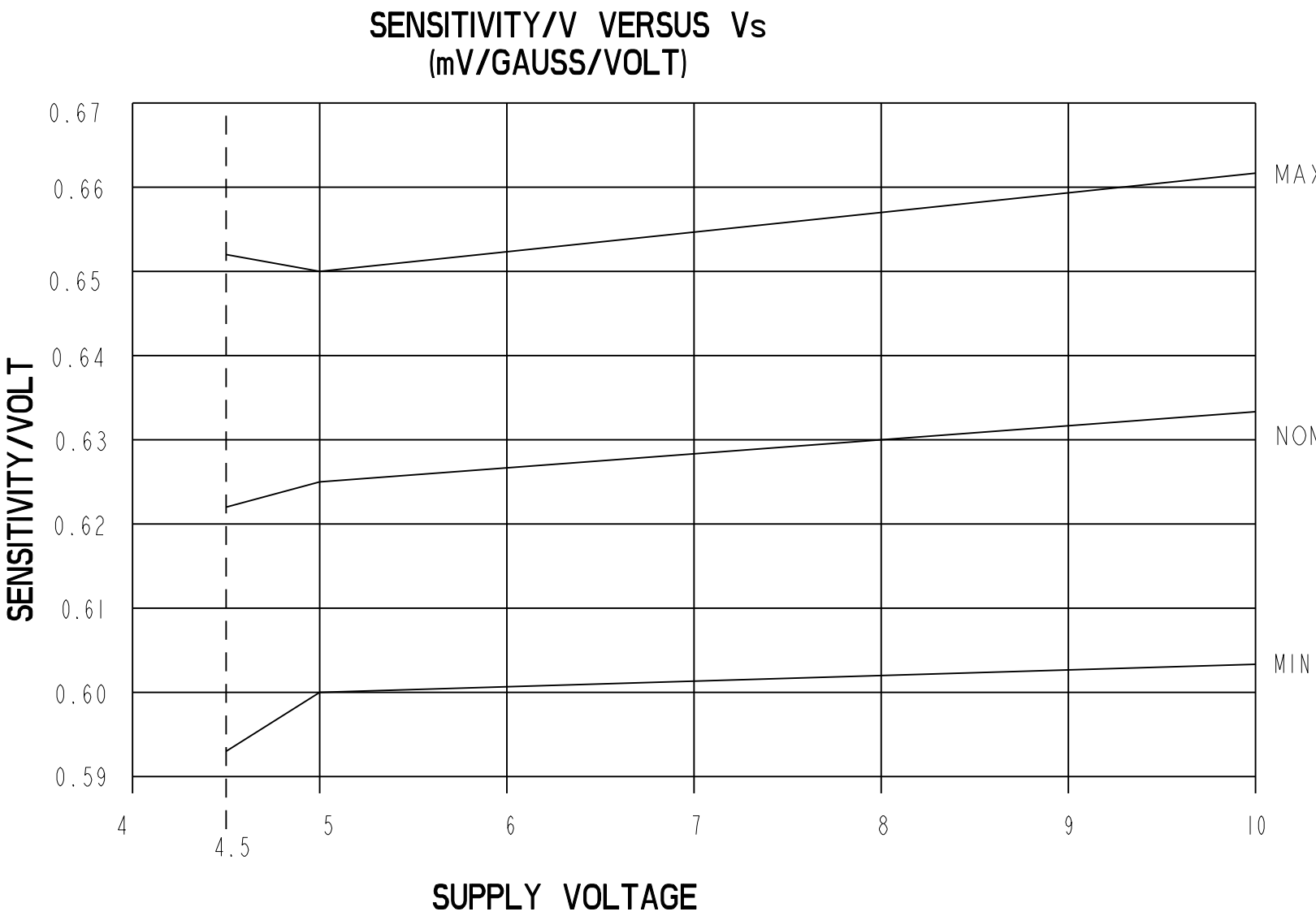
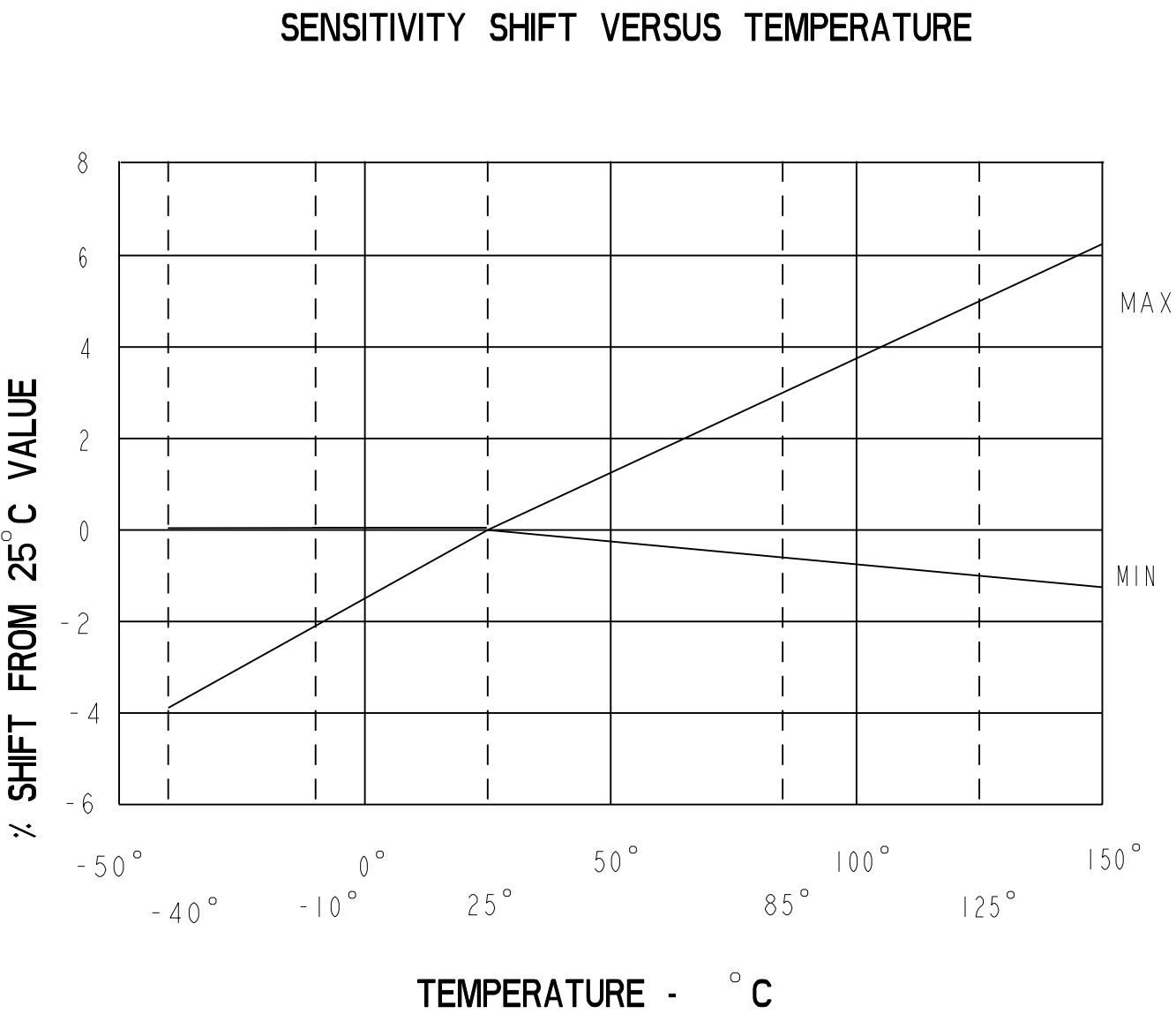
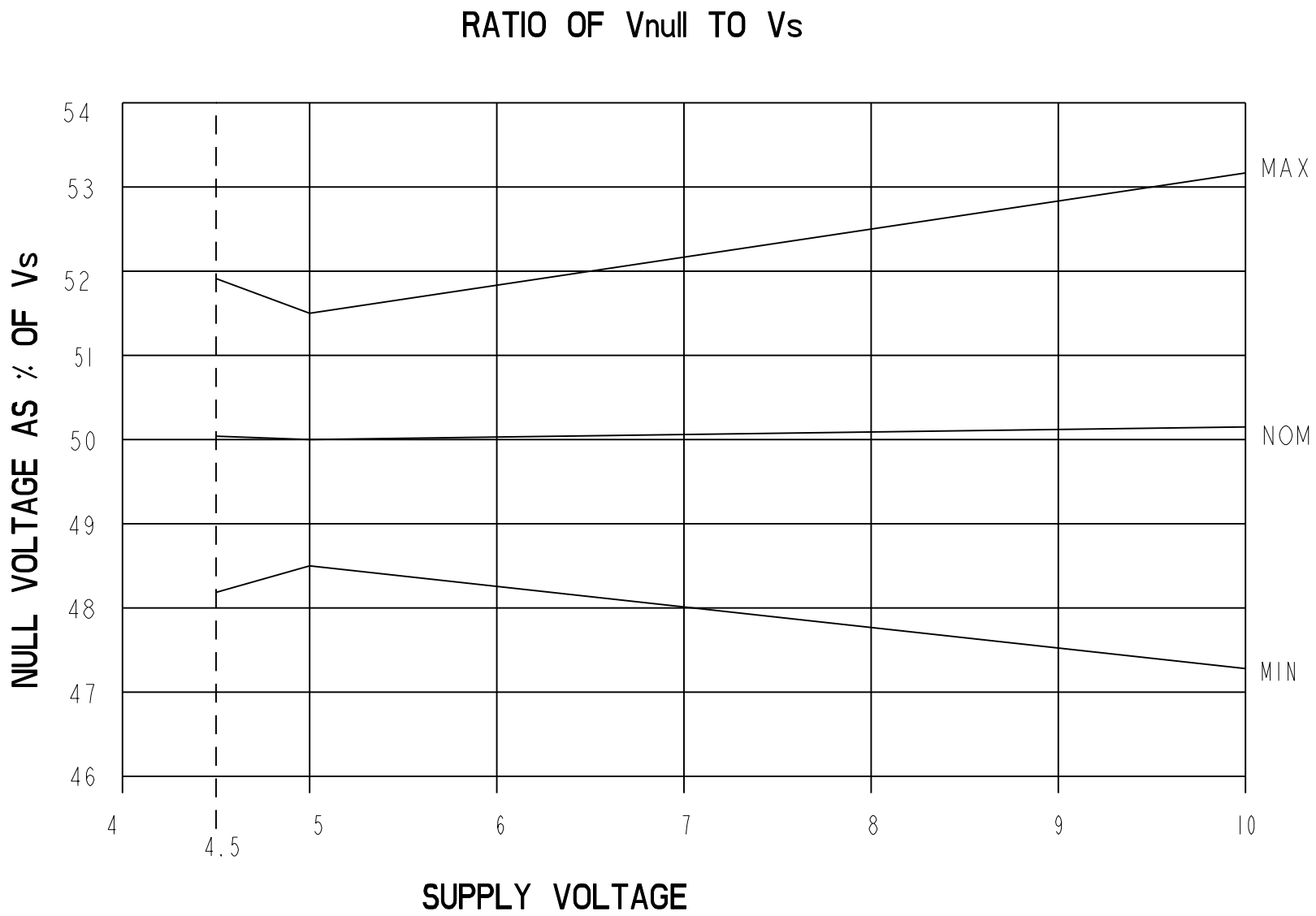
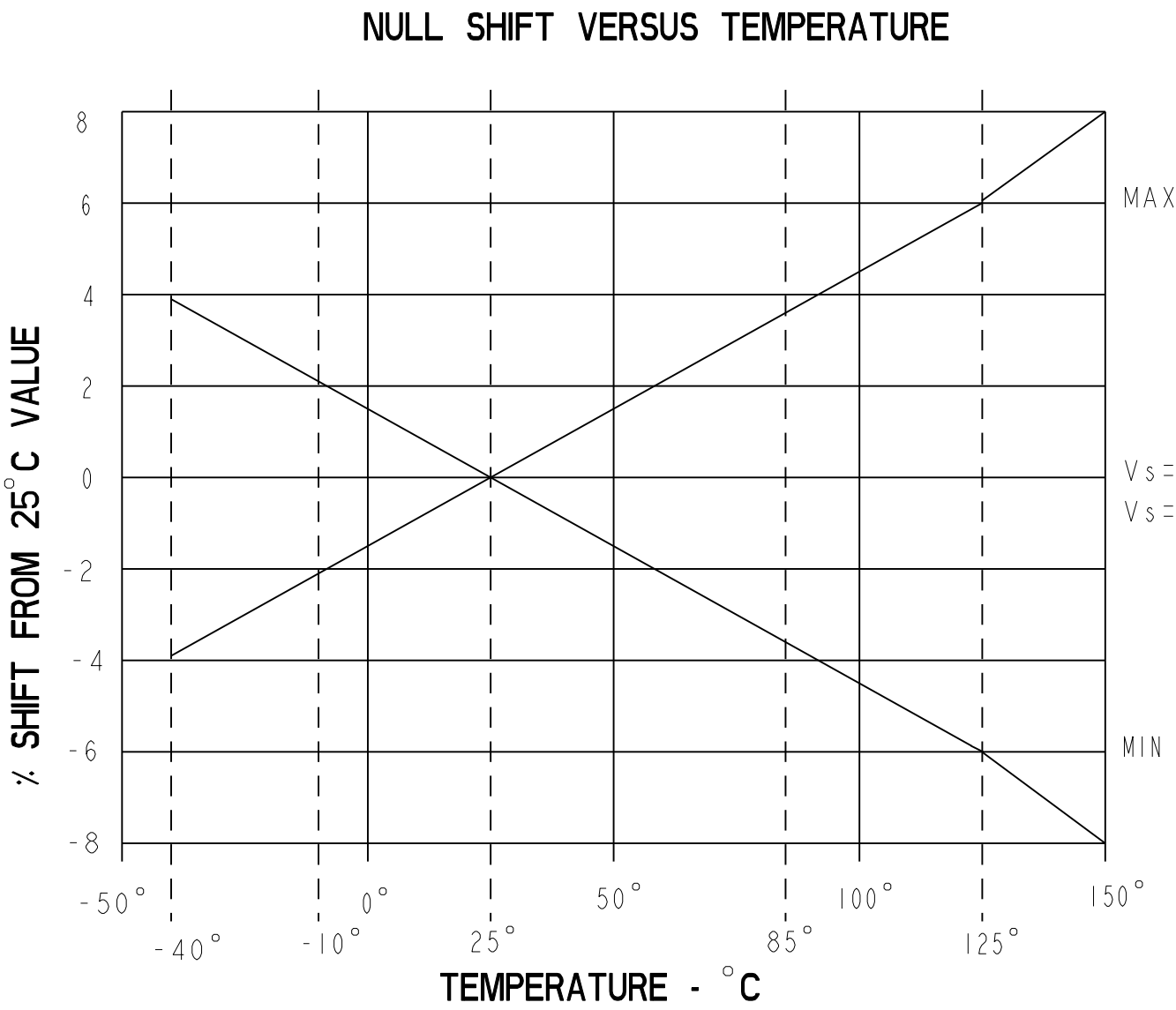
| PARAMETER                              | CONDITIONS                   | MIN     | TYP     | MAX   | UNITS     |
|----------------------------------------|------------------------------|---------|---------|-------|-----------|
| SENSITIVITY                            | TA = 25°C                    | 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<br>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<br>VOM -<br>VOM + | -B APPLIED                   | .4      | .2      |       | VOLTS     |
|                                        | +B APPLIED                   | Vs - .4 | Vs - .2 |       | VOLTS     |
| B LIMITS FOR LINEAR<br>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        |

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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**MICRO SWITCH**  
a Honeywell Division

**MINIATURE RATIONETRIC  
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<br>TOLERANCES ARE                                          |              |
| ONE PLACE                                                                             | (.0) +.030   |
| TWO PLACE                                                                             | (.00) +.015  |
| THREE PLACE                                                                           | (.000) +.005 |
| ANGLES                                                                                | +2°          |
| WEIGHT                                                                                |              |

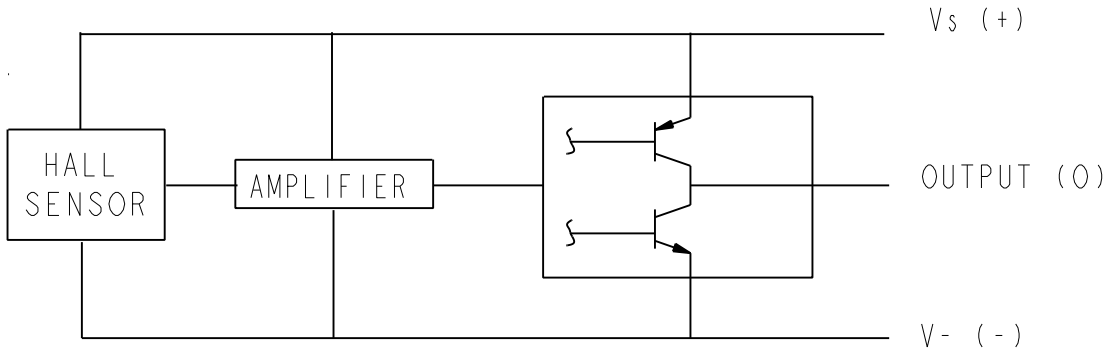
CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA: -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495A2

SS495 SERIES CHART 1

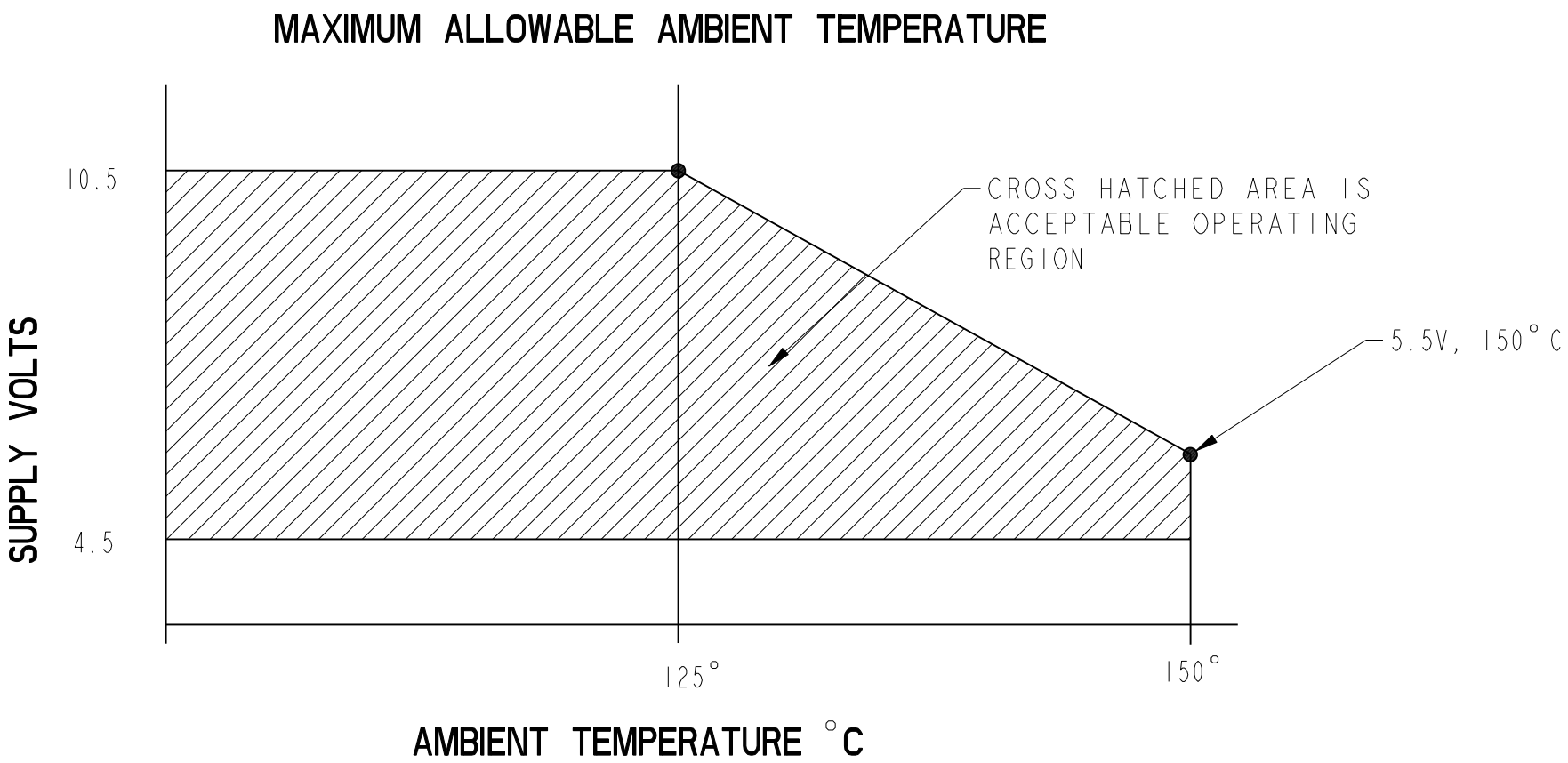
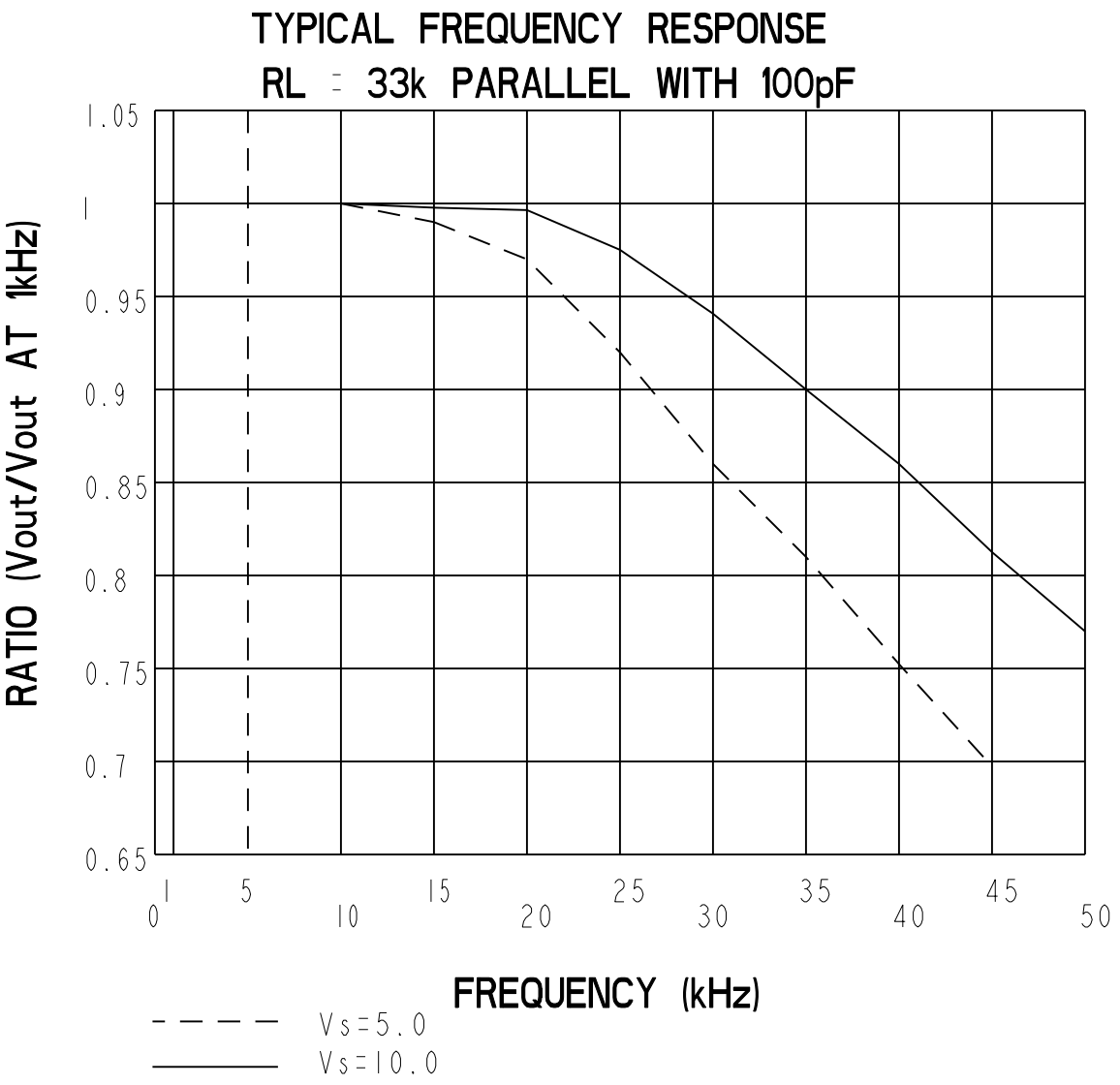
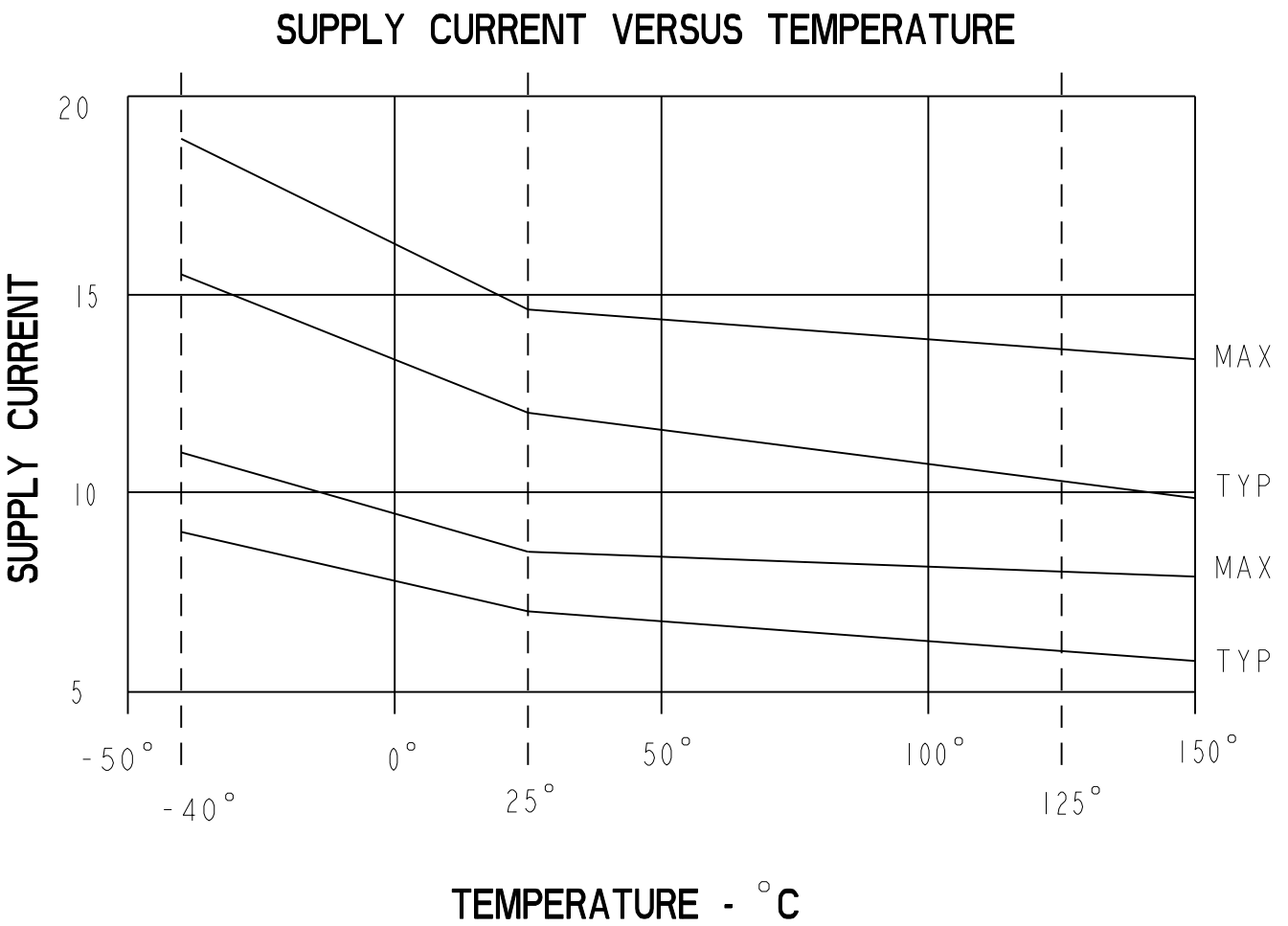
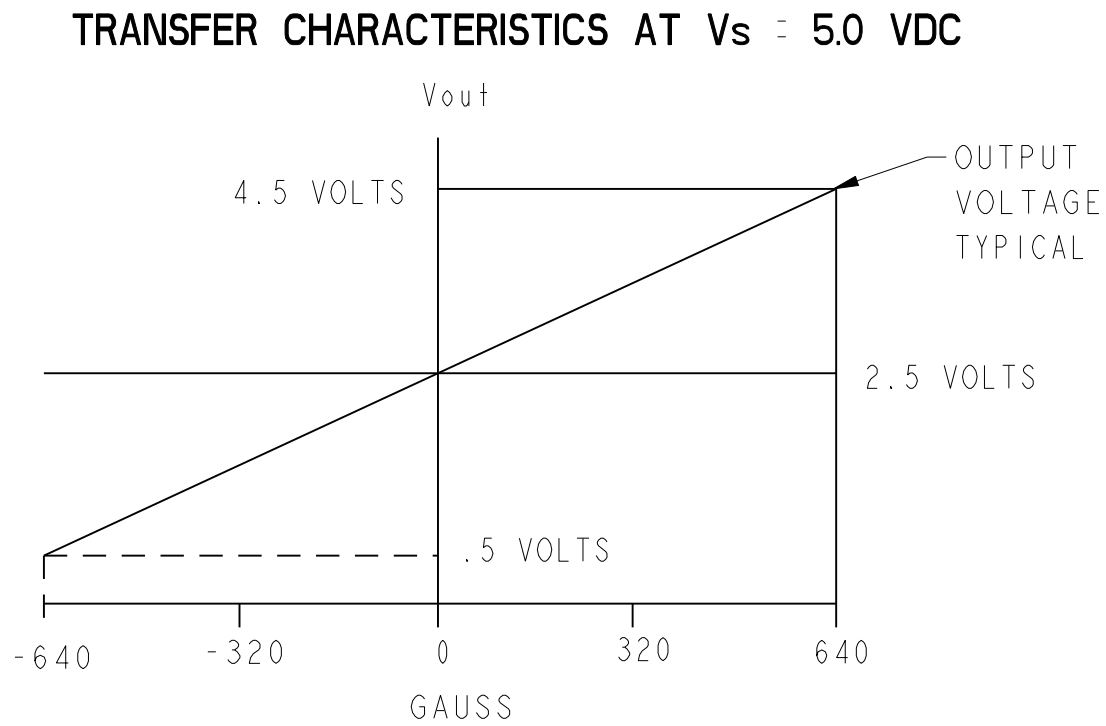
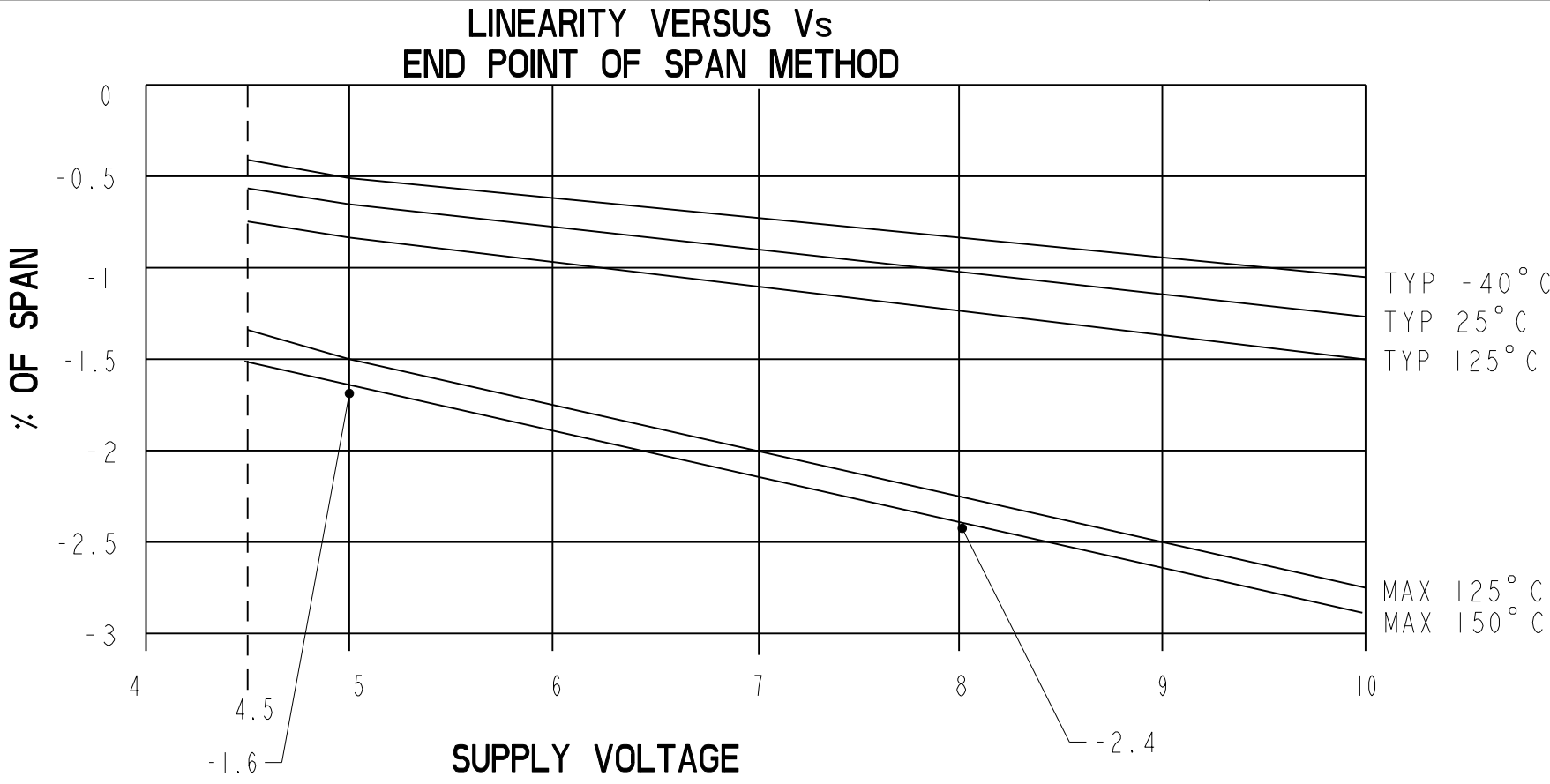
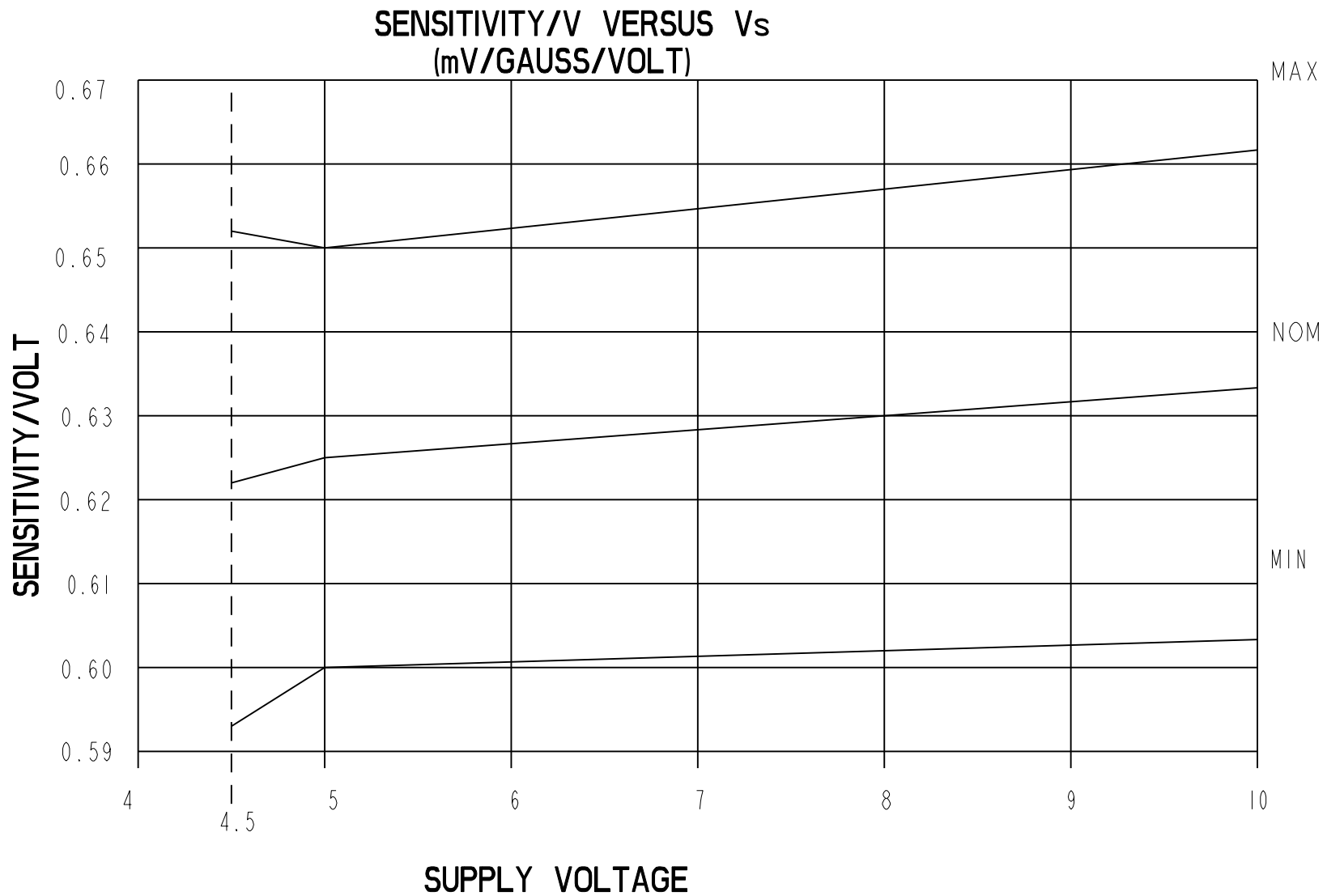
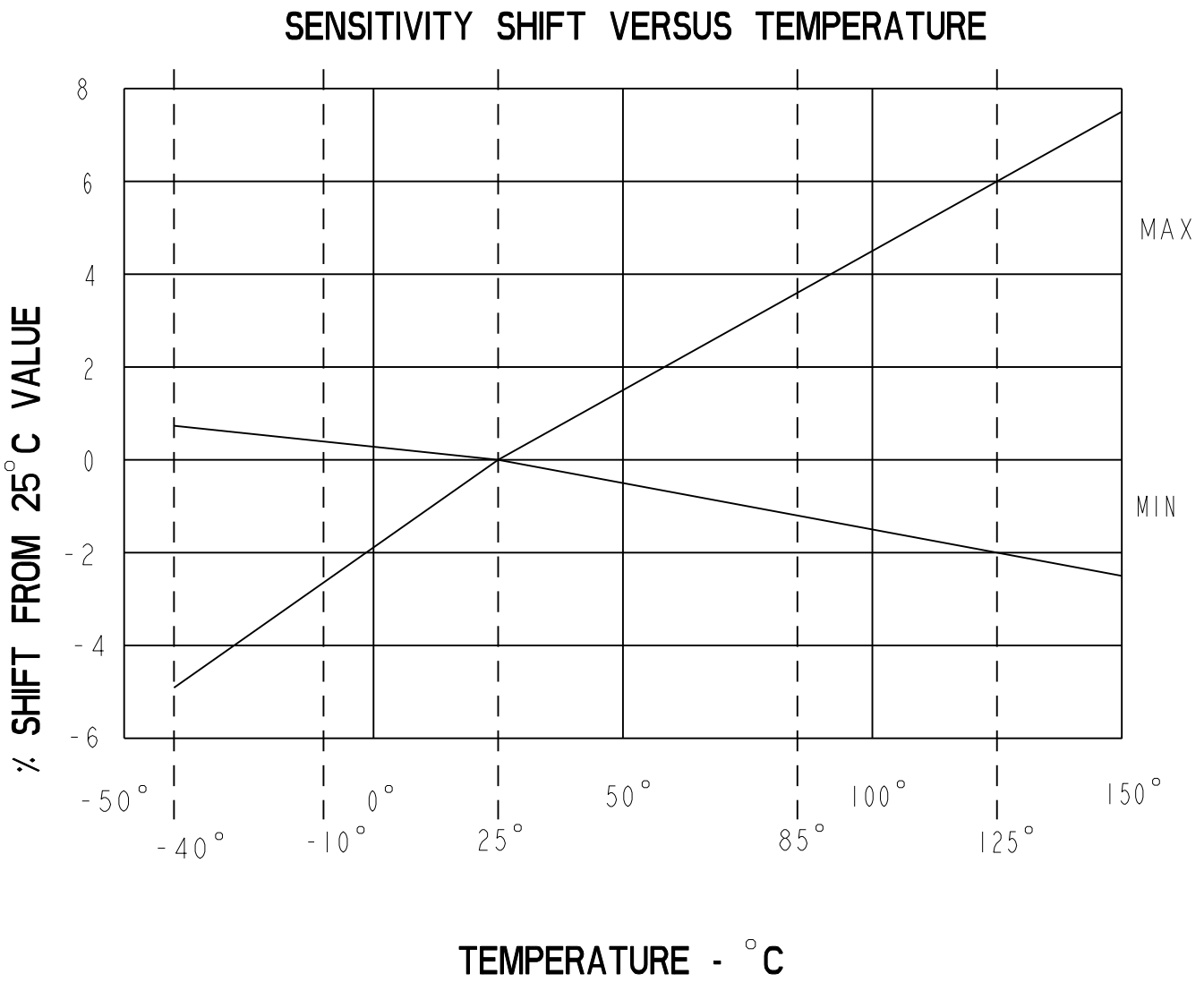
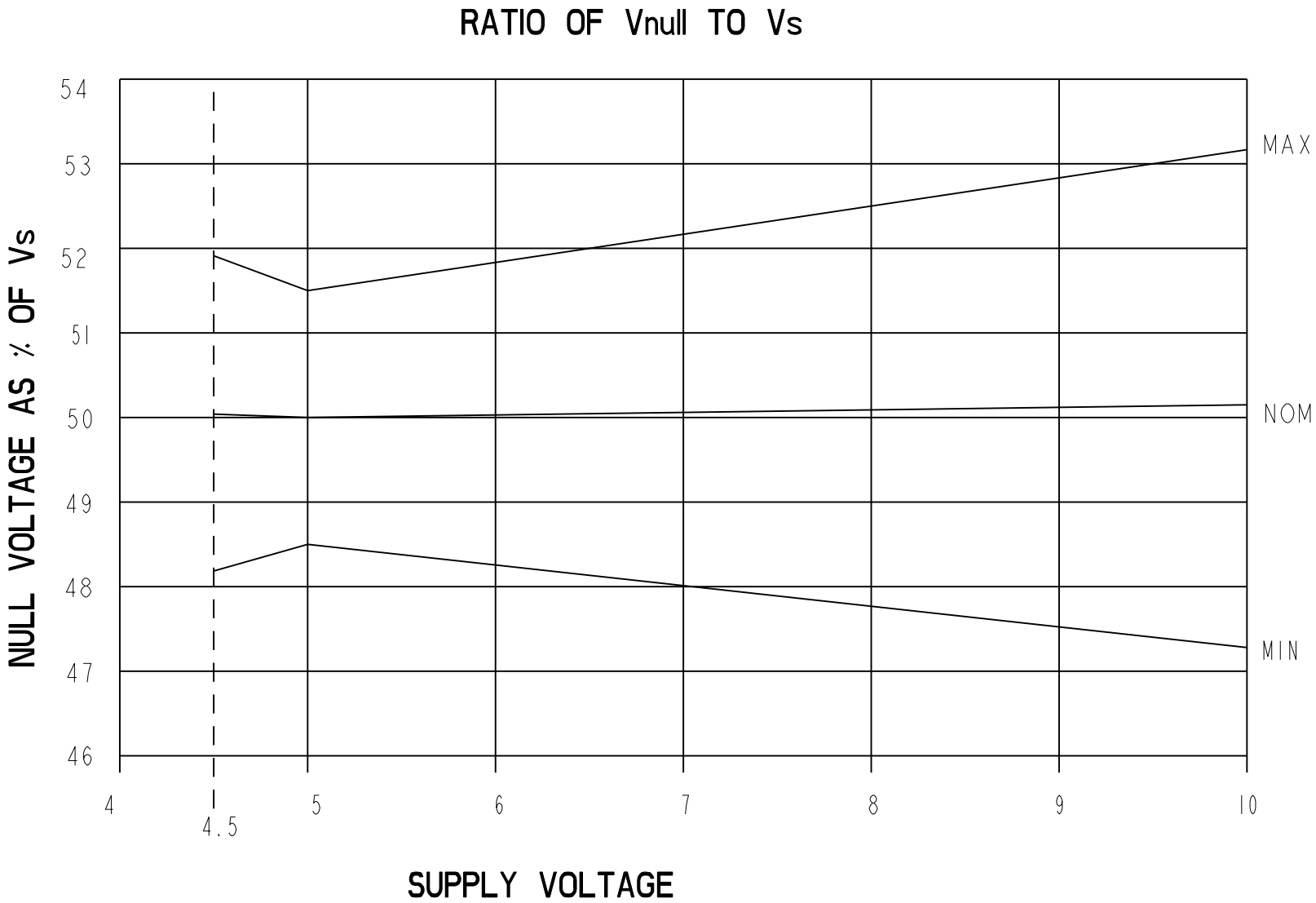
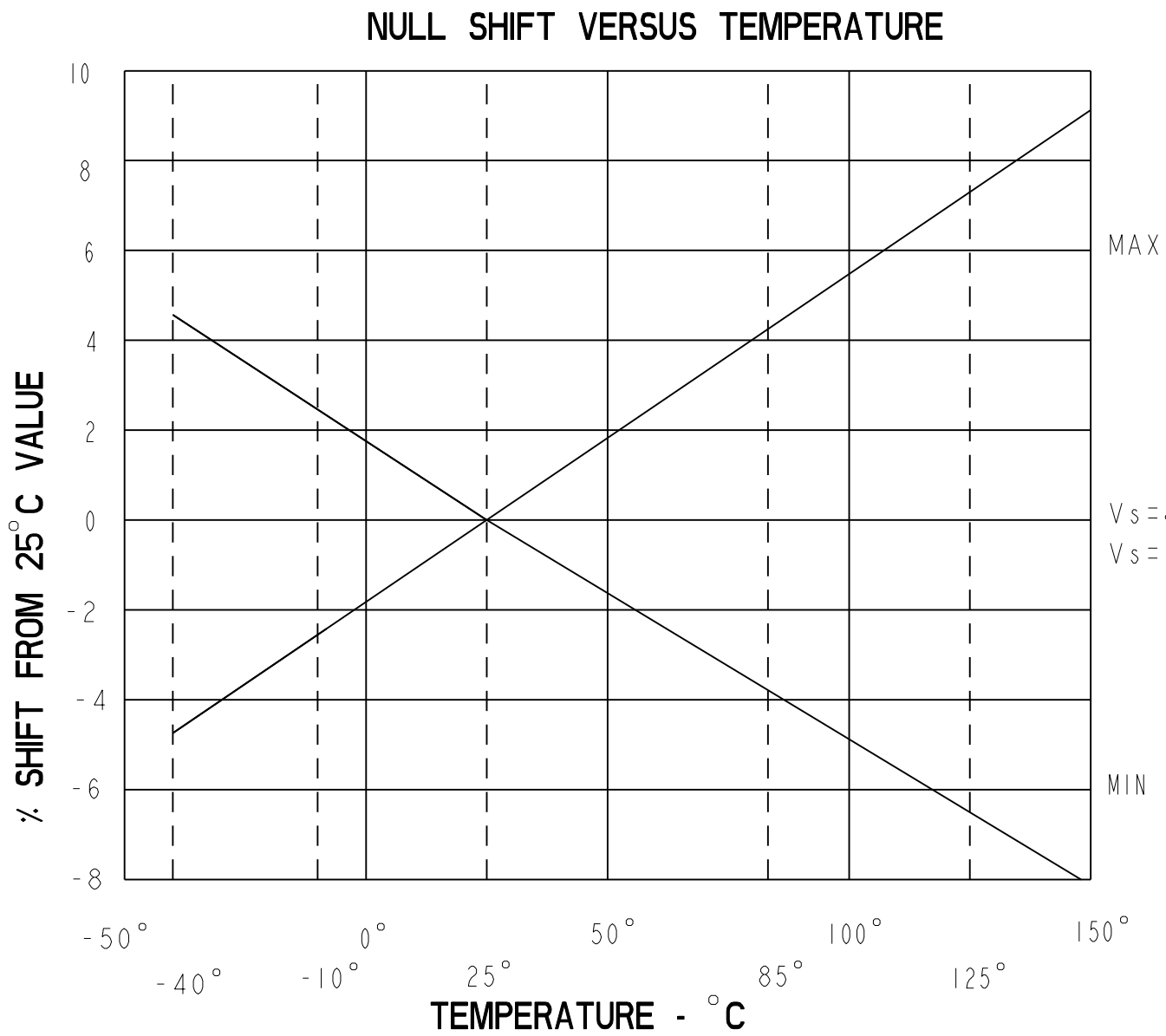
| PARAMETER                              | CONDITIONS                     | MIN    | TYP    | MAX   | UNITS     |
|----------------------------------------|--------------------------------|--------|--------|-------|-----------|
| SENSITIVITY                            | TA = 25° C                     | 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<br>SINK<br>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<br>VOM -<br>VOM + | -B APPLIED                     | .4     | .2     |       | VOLTS     |
|                                        | +B APPLIED                     | Vs -.4 | Vs -.2 |       | VOLTS     |
| B LIMITS FOR LINEAR<br>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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**MICRO SWITCH**  
a Honeywell Division

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                                    |              |

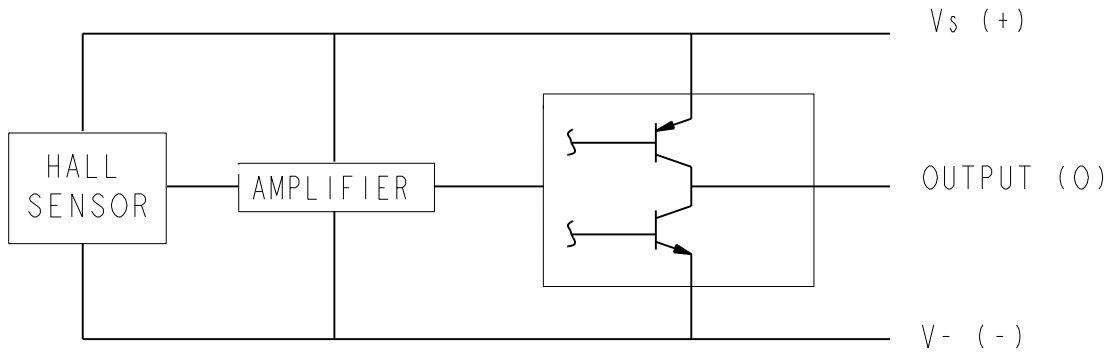
CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA= -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495B

SS495 SERIES CHART 1

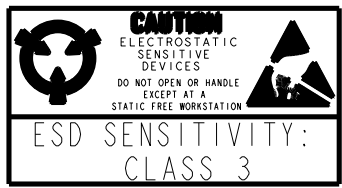
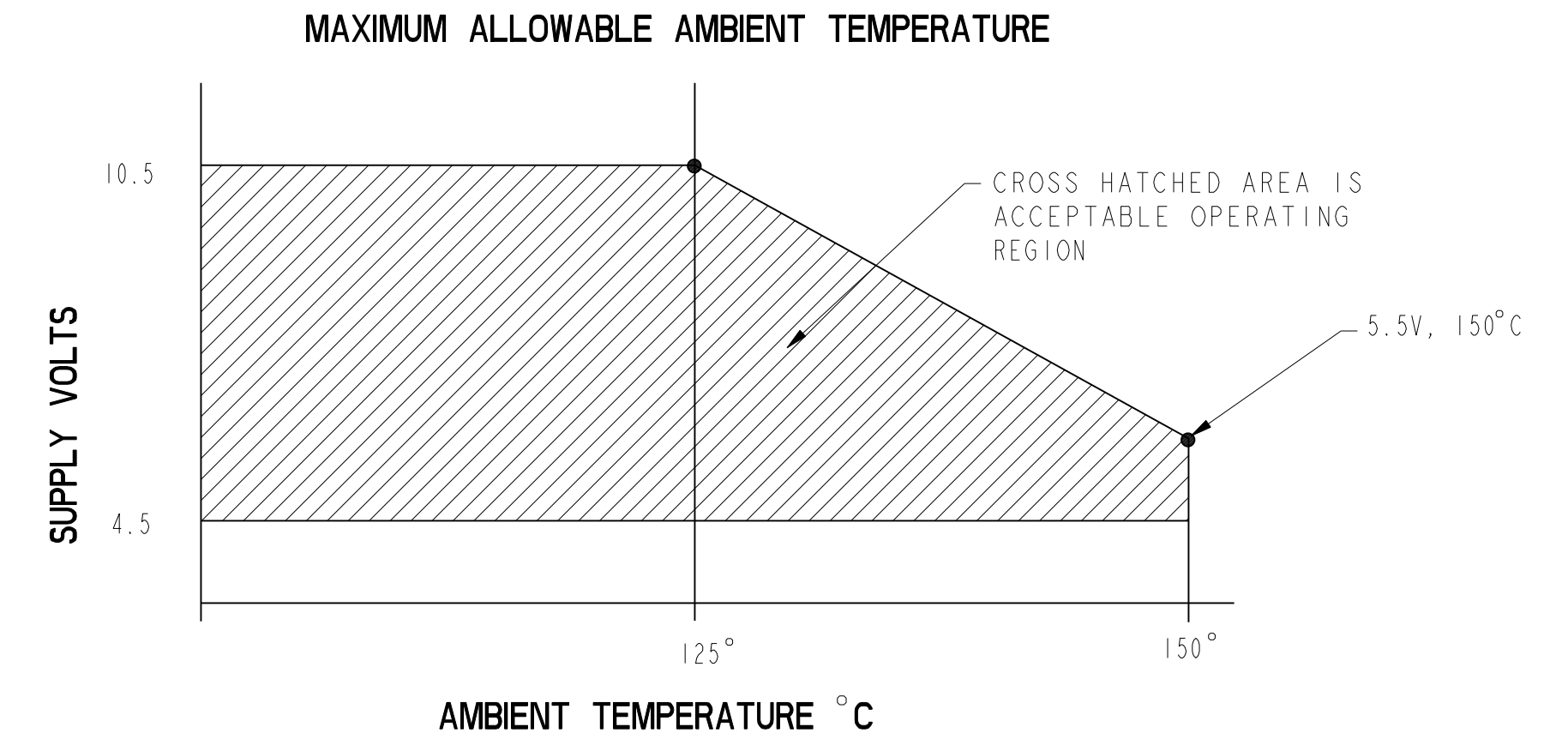
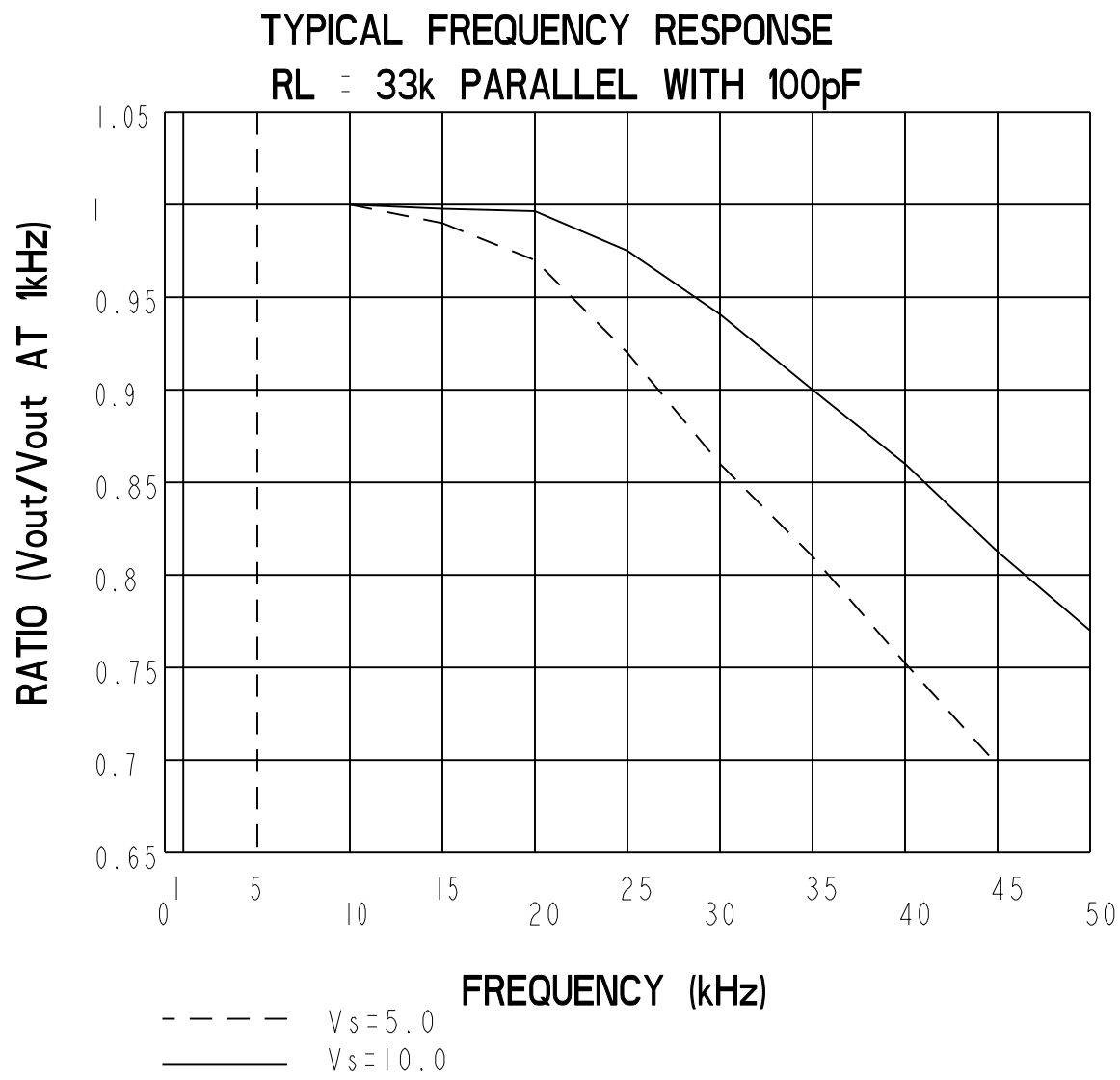
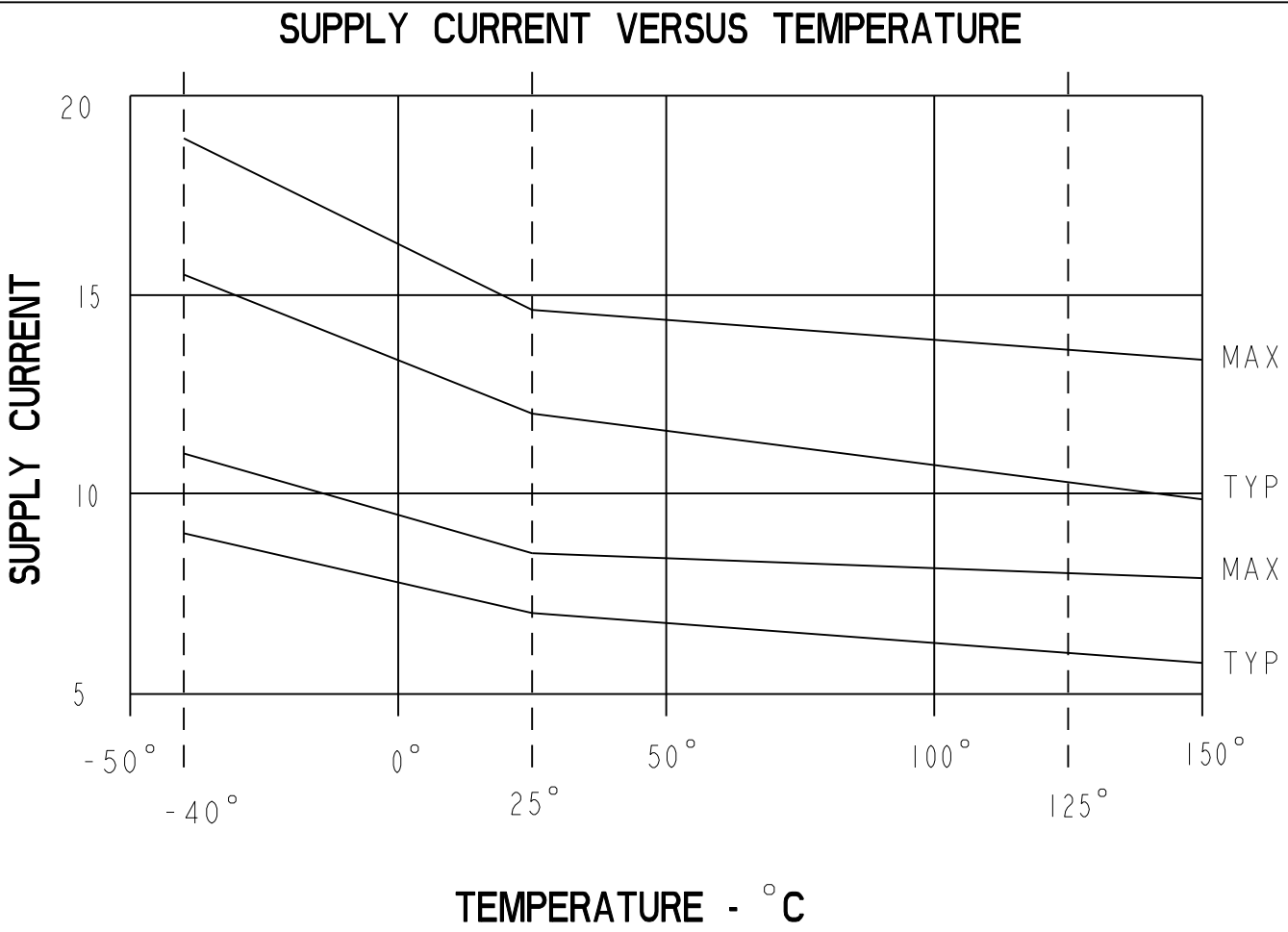
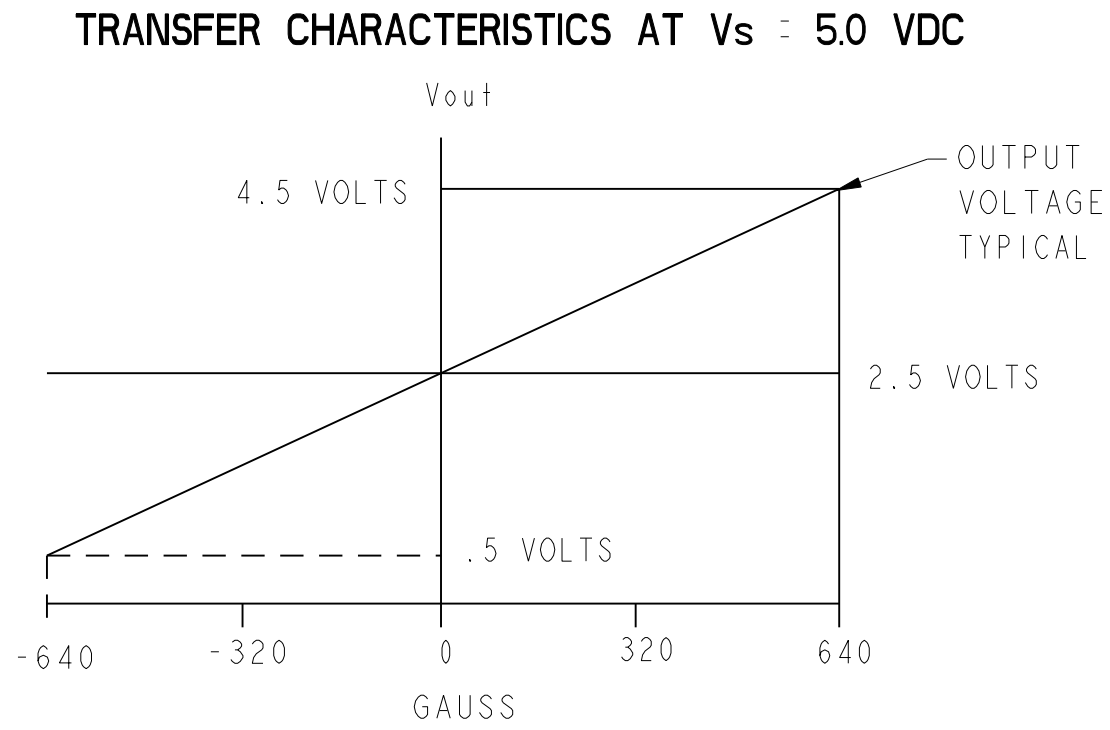
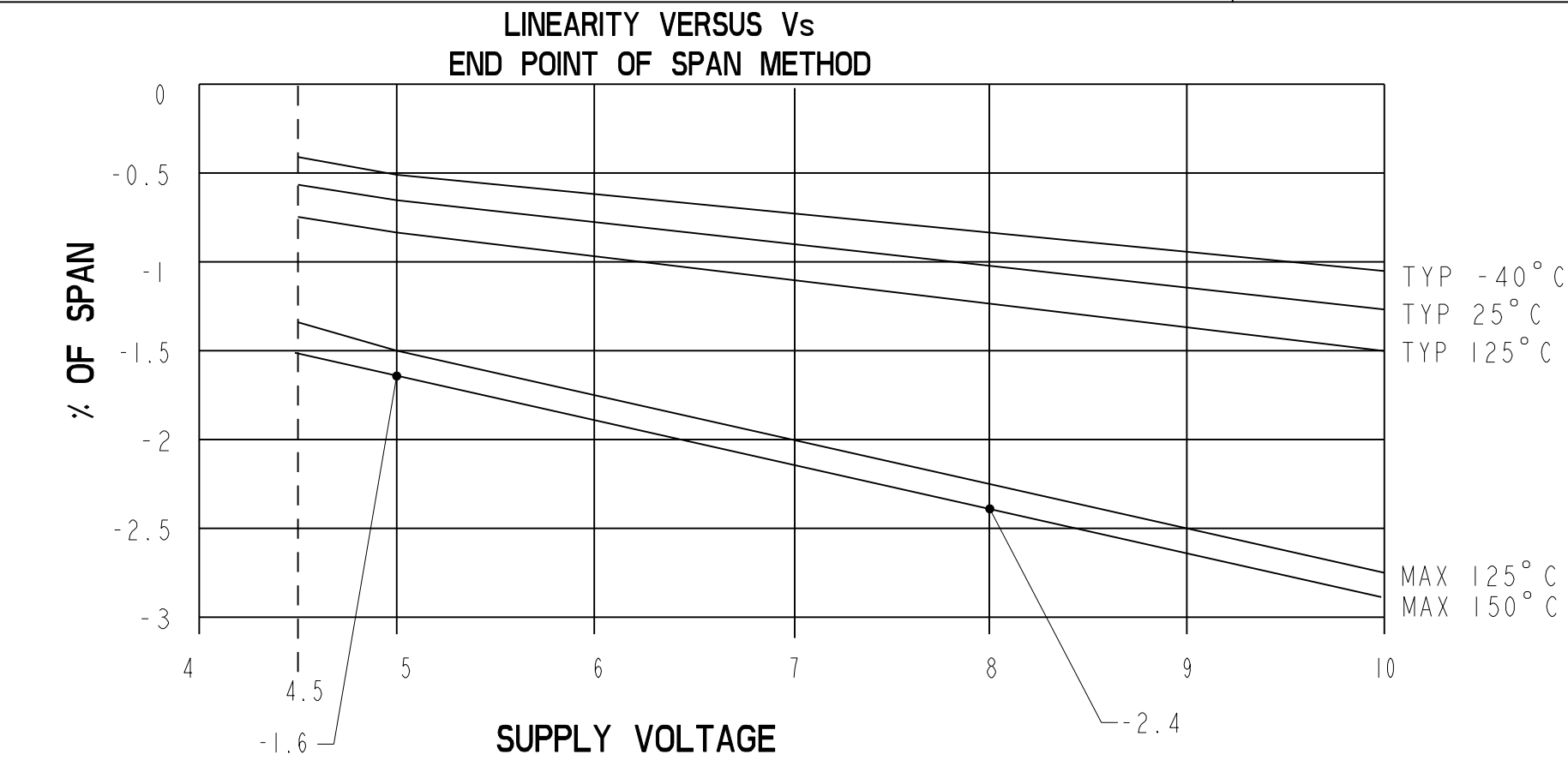
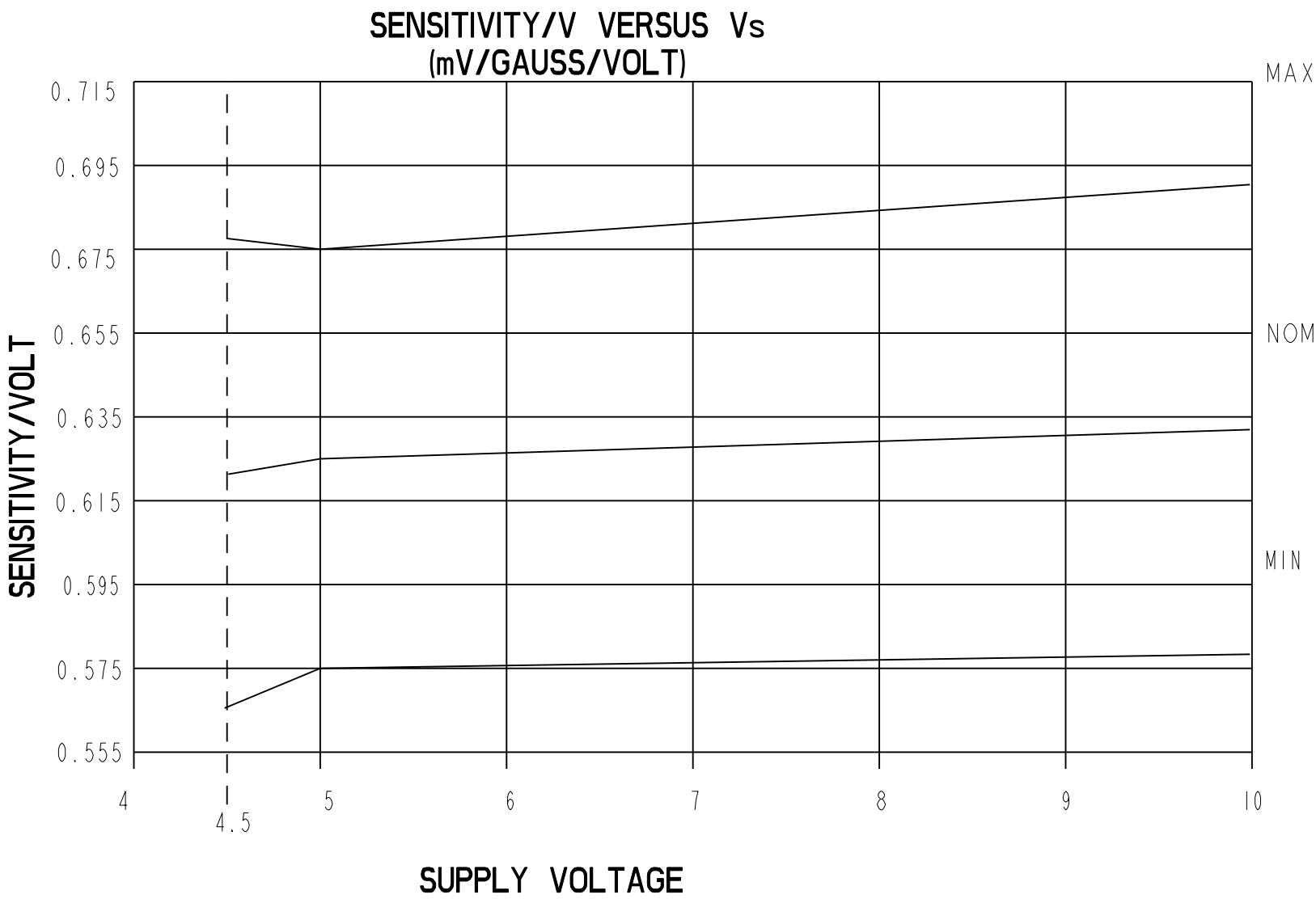
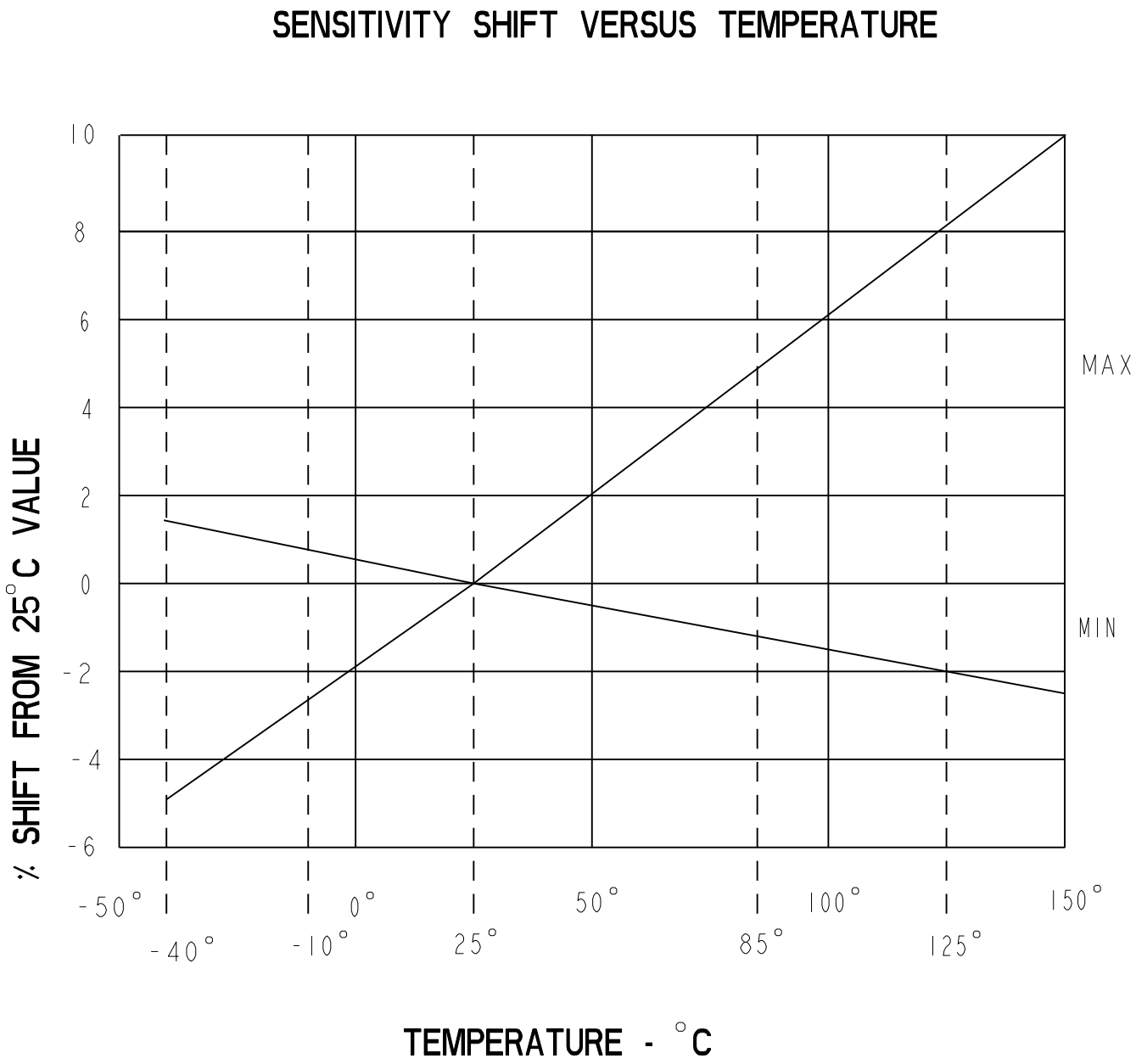
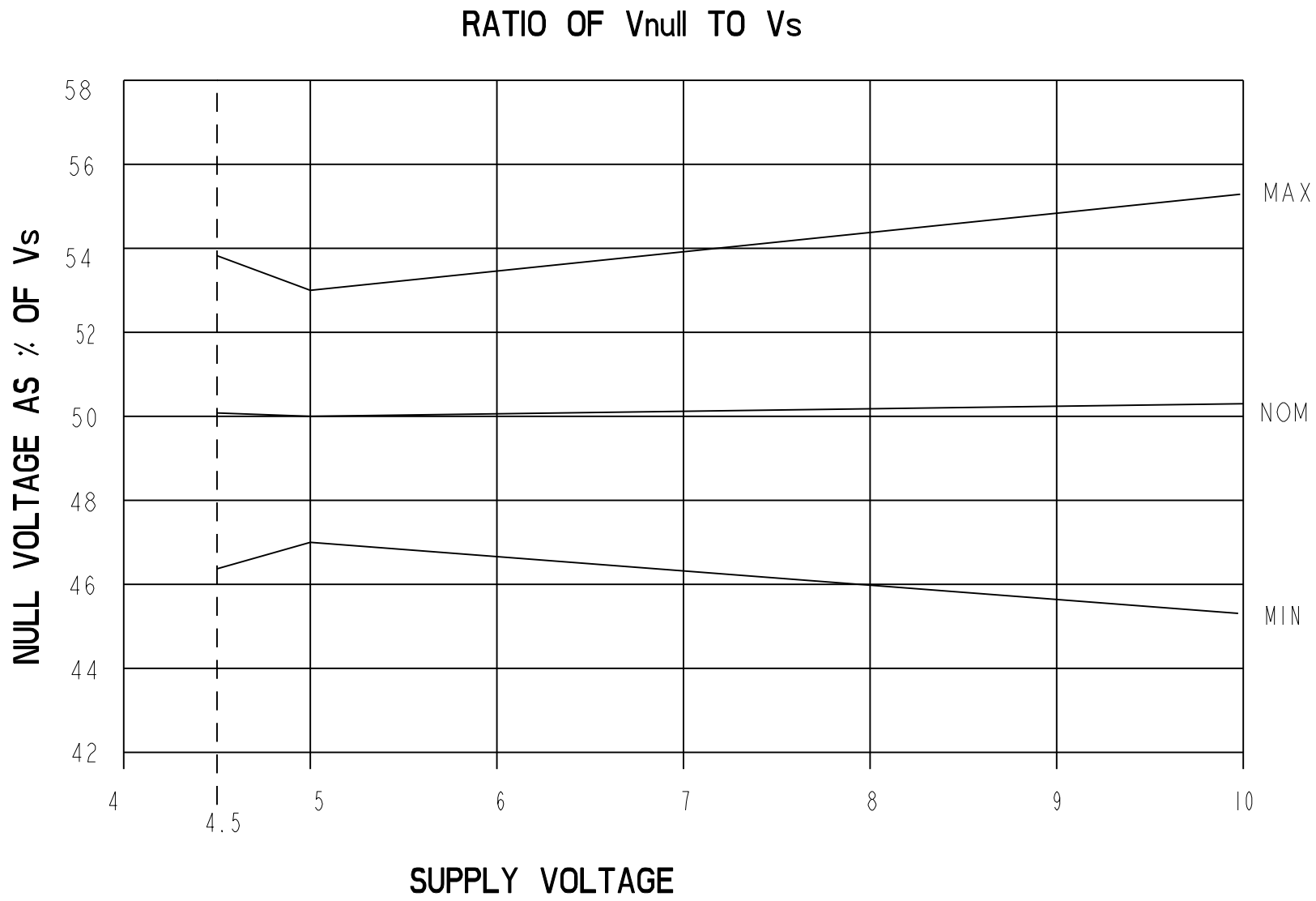
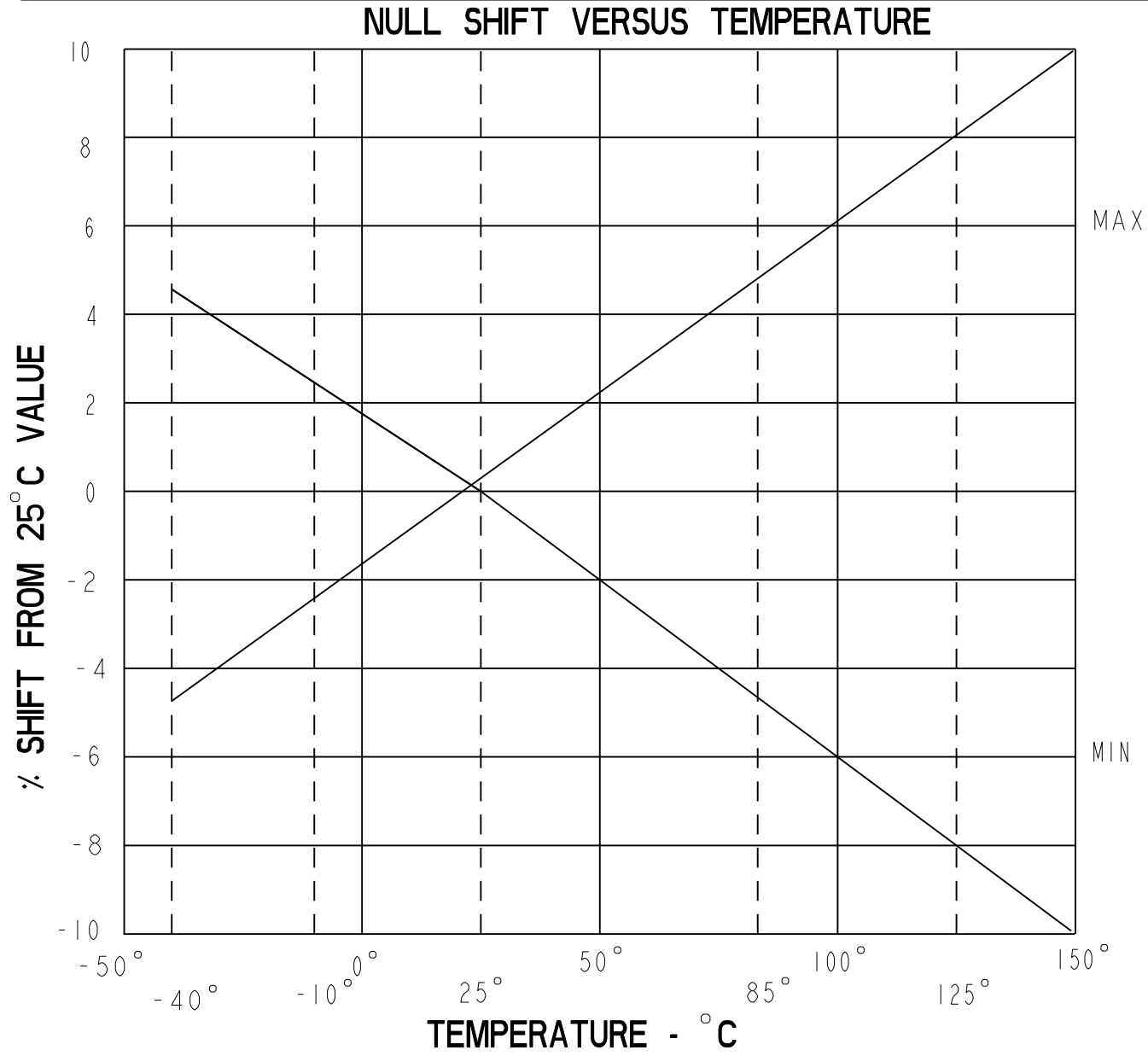
| PARAMETER                     | CONDITIONS                   | MIN     | TYP     | MAX   | UNITS     |
|-------------------------------|------------------------------|---------|---------|-------|-----------|
| SENSITIVITY                   | TA = 25°C                    | 2.875   | 3.125   | 3.375 | 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    |



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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 (.) +.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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