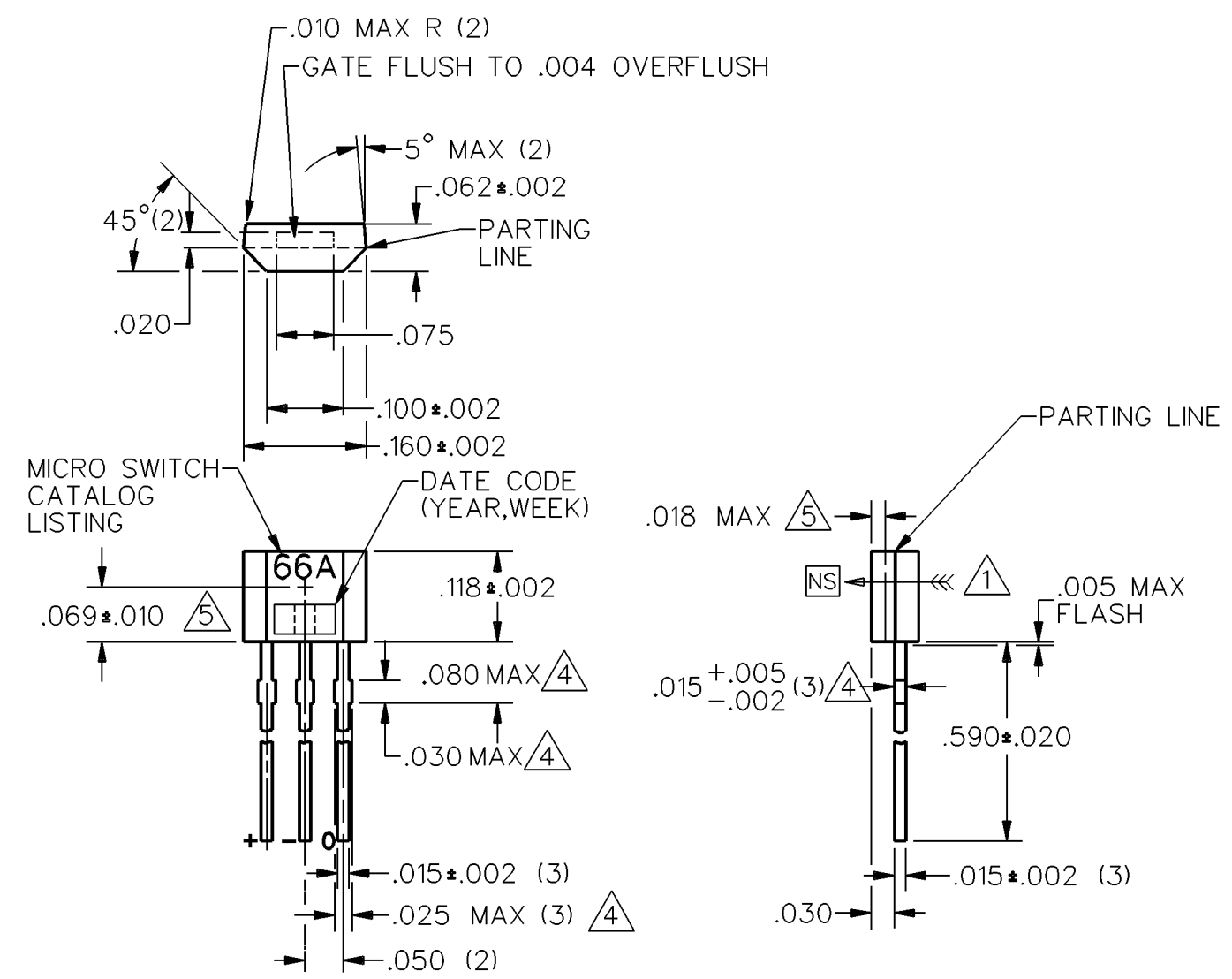


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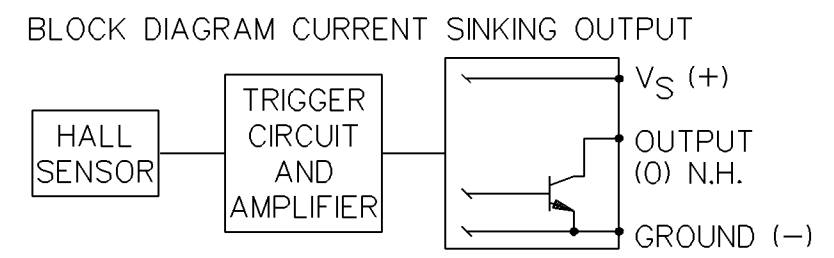
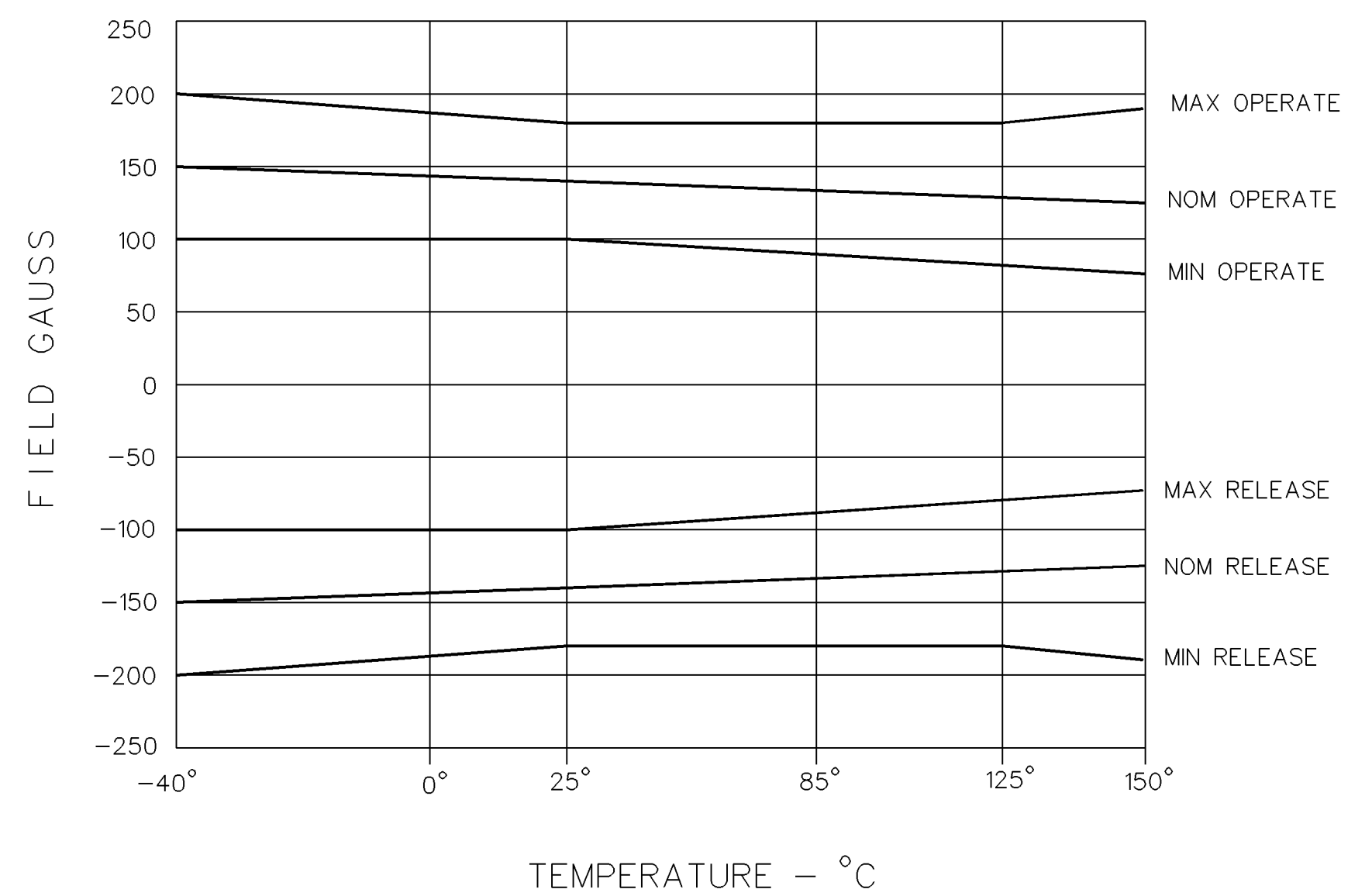


MAGNETIC CHARACTERISTICS (2)						
TEMPERATURE RANGE	-40°C	0°C	25°C	85°C	125°C	150°C
OPERATE GAUSS MAXIMUM	200	185	180	180	180	185
OPERATING GAUSS MINIMUM	100	100	100	95	80	70
RELEASE GAUSS MAXIMUM	-100	-100	-100	-95	-80	-70
RELEASE GAUSS MINIMUM	-200	-185	-180	-180	-180	-185

ELECTRICAL CHARACTERISTICS AT -40°C TO 150°C VCC=3.8V TO 24 VOLTS (UNLESS OTHERWISE NOTED)						
CHARACTERISTIC	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE	VCC		3.8		24	V
SUPPLY CURRENT	ICC	B > 180 G, VCC=24, ISINK=20 MA -40 C < T < 150C			10	MA
OUTPUT SATURATION VOLTAGE	VOL	B > 180G, VCC=3.8V, ISINK=20 MA			.4	V
OUTPUT LEAKAGE CURRENT	I _{OFF}	B < -180G, VOUT=24V, VCC=24V			10.0	μA
RISE TIME	TR	VCC=12V, RL=1.6K, CL=20PF		.05	1.5	μSEC
FALL TIME	TF	VCC=12V, RL=1.6K, CL=20PF		.15	1.5	μSEC

ABSOLUTE MAXIMUM RATINGS (3)				
CHARACTERISTIC	SYMBOL	MIN	MAX	UNITS
POWER SUPPLY	VCC	-1	25	VOLTS
OUTPUT VOLTAGE (OFF)	VOUT		25	VOLTS
OUTPUT ON CURRENT	ISINK		50	MA
OPERATING TEMPERATURE	T	-50	160	°C
STORAGE TEMPERATURE	T _S	-65	160	°C
MAGNETIC FLUX	NO LIMIT			

- NOTES
- THE MAGNETIC FLUX USED TO OPERATE THE SWITCH MUST BE IN THE DIRECTION AND LOCATION 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)
 - THE MAGNETIC FIELD STRENGTH (GAUSS) REQUIRED TO CAUSE THE SWITCH TO CHANGE STATE (OPERATE AND RELEASE) WILL BE AS SPECIFIED IN THE MAGNETIC CHARACTERISTICS. TO TEST THE SWITCH AGAINST THE SPECIFIED MAGNETIC CHARACTERISTICS, THE SWITCH MUST BE PLACED IN A UNIFORM MAGNETIC FIELD
 - ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THAT THE DEVICE WILL WITHSTAND WITHOUT DAMAGE TO THE DEVICE. HOWEVER, THE ELECTRICAL AND MAGNETIC CHARACTERISTICS ARE NOT GUARANTEED AS THE MAXIMUM LIMITS (ABOVE RECOMMENDED OPERATING CONDITIONS) ARE APPROACHED, NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATING
 - DIMENSIONS NOTED ARE DUE TO TIE BAR REMOVAL OPERATION AND ARE VALID ONLY IN TIE BAR AREA LOCATED WITHIN .080 DIMENSION
 - HALL ELEMENT LOCATION WITH INTEGRATED CIRCUIT PLACEMENT TOLERANCE
 - LEADS MUST BE ADEQUATELY SUPPORTED DURING ANY FORMING/SHEARING OPERATION TO ENSURE THAT THE LEADS ARE NOT STRESSED INSIDE THE PLASTIC
 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
 250° TO 260° C SOLDERING TEMPERATURE
 3 SECONDS MAXIMUM SOLDERING TIME



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MICRO SWITCH
a Honeywell Division

SOLID STATE SWITCH

CATALOG LISTING
SS466A

THIRD ANGLE PROJECTION

SCALE 5:1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE (.0)	±.030
TWO PLACES (.00)	±.015
THREE PLACES (.000)	±.005
ANGLES	±

WEIGHT