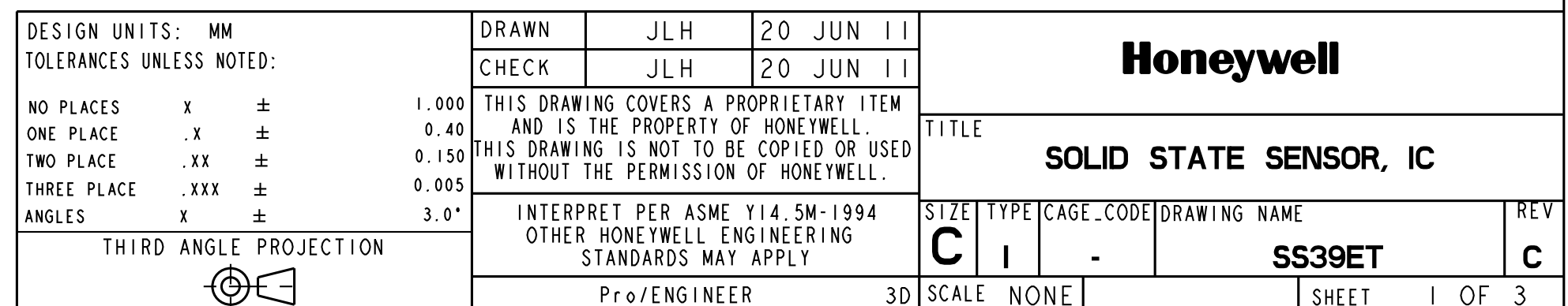
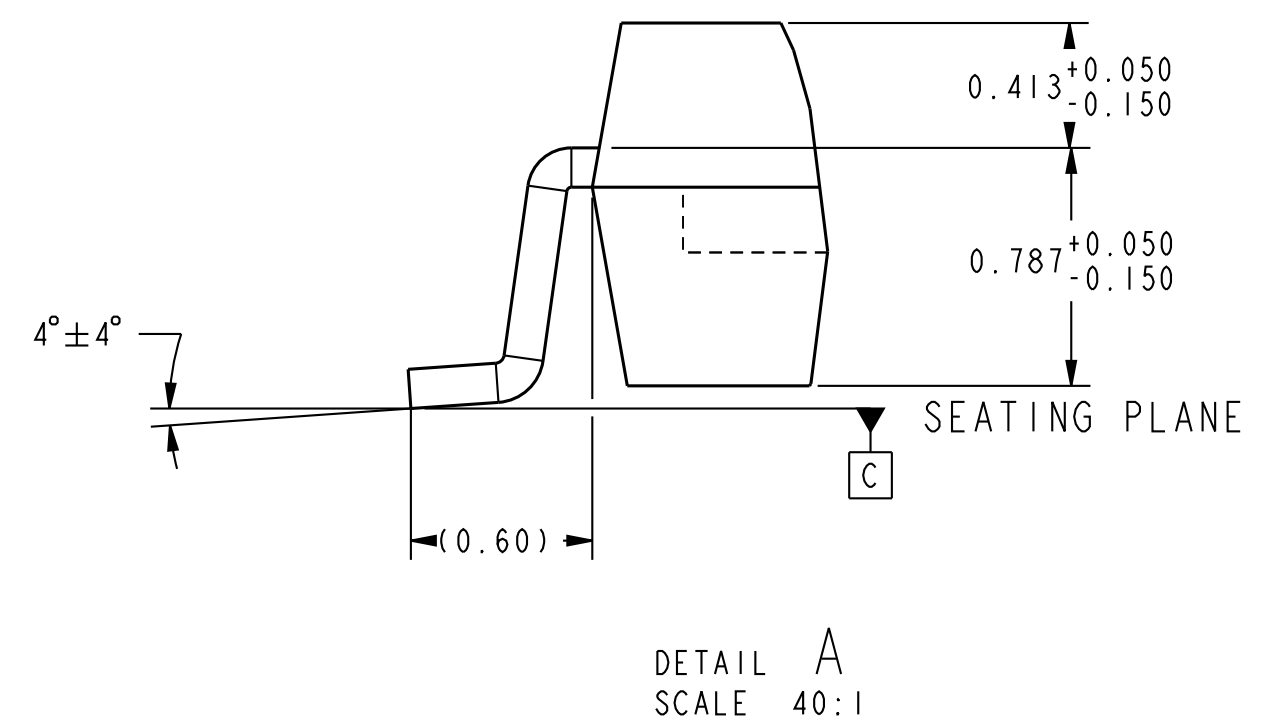
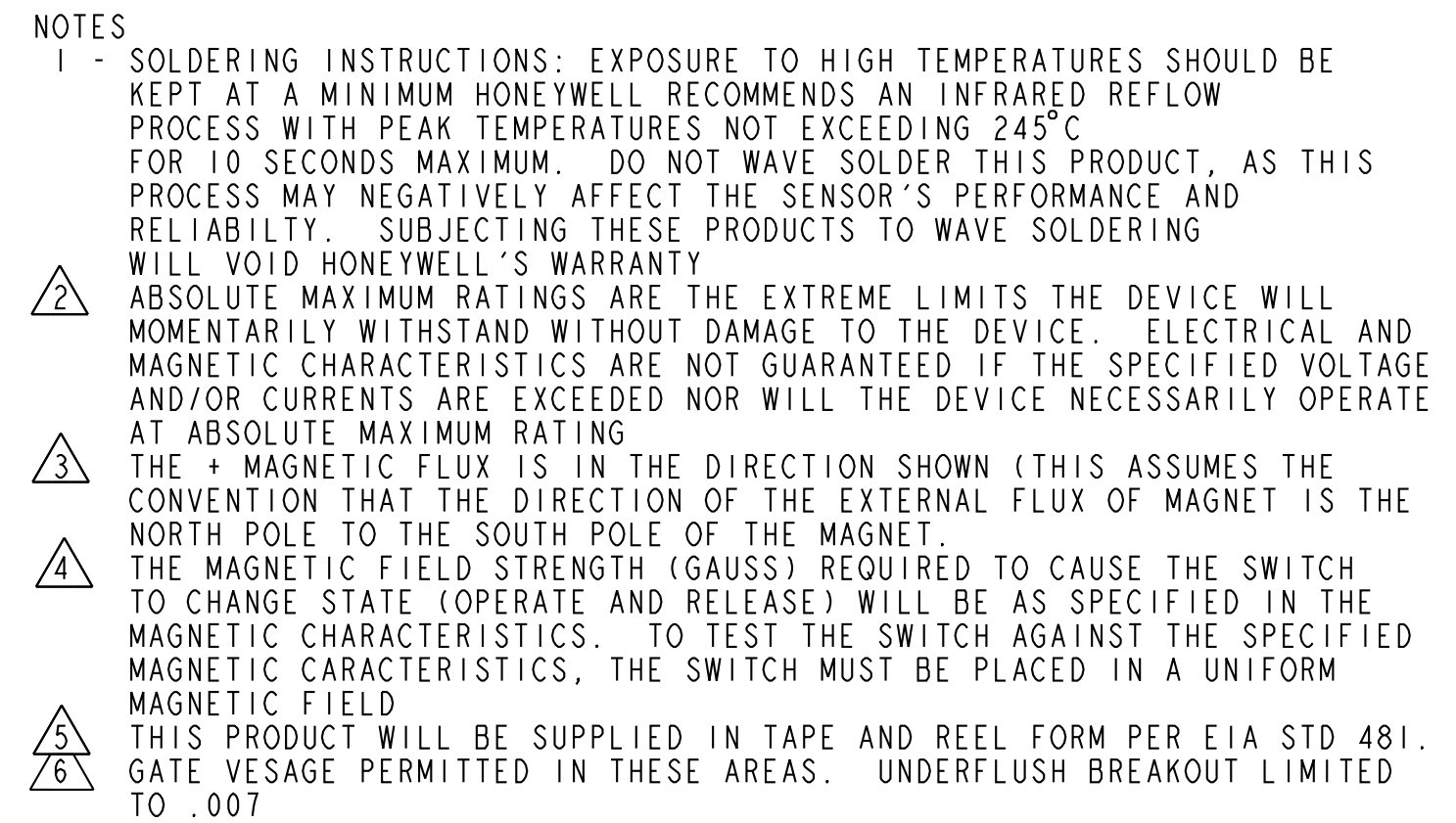
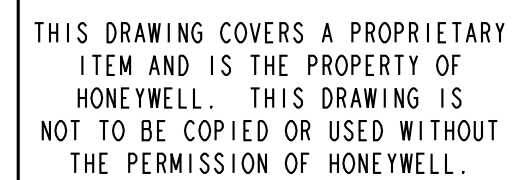


REV	DOCUMENT	CHANGED BY	CHECK
C	0088198	RS 04APR12	CMH



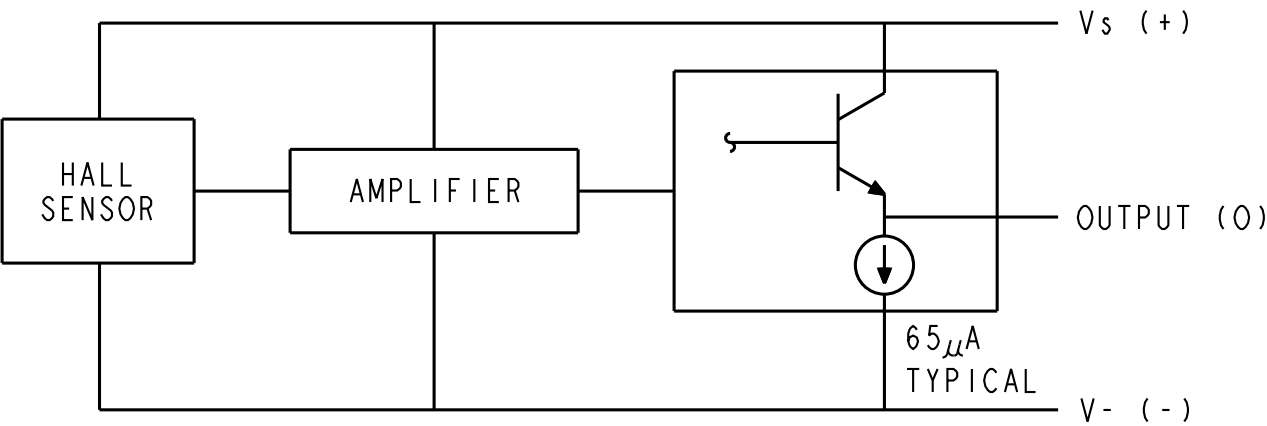


Honeywell				
SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
C	I	-	SS39ET	C
SCALE	NONE		SHEET	2 OF 3

CHARACTERISTICS ARE AT $V_s=5.00$ WITH 10K OUTPUT TO MINUS $\triangle$ 4
WITH $T_A=-40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$ UNLESS OTHERWISE SPECIFIED

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	1.0	1.4	1.75	mV/GAUSS
NULL	$T_A = 25^{\circ}\text{C}$	2.25	2.50	2.75	VOLTS
SUPPLY CURRENT			6	10.	mA
OUTPUT CURRENT SOURCE	$V_s > 3.0$	1	1.5		mA
RESPONSE TIME			3		μS
OUTPUT VOLTAGE SWING VOM - VOM +	-B APPLIED	1.05	.95		VOLTS
	+B APPLIED	$V_s - 1.05$	$V_s - .95$		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-650	-1000		GAUSS
	+B MAX	+650	+1000		GAUSS
V_{null} DRIFT	$B = 0, T_A = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$	-.10		+.10	% / $^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$	-.15		+.05	% / $^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C}$ TO $+25^{\circ}\text{C}$	-.04		+.185	% / $^{\circ}\text{C}$
LINEARITY	$B = -650$ TO $+650$		-.7		% OF SPAN
SUPPLY VOLTAGE	-40°C TO $+100^{\circ}\text{C}$	2.7	5.0	6.5	VOLTS
OPERATING TEMP		-40		+100	$^{\circ}\text{C}$

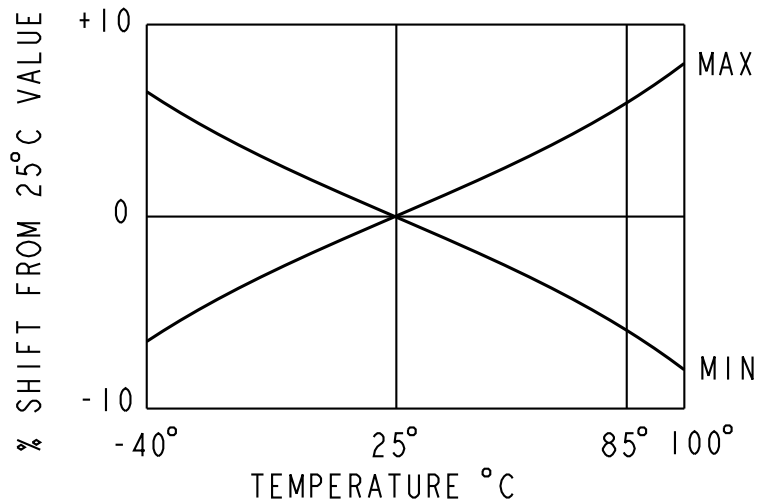
BLOCK DIAGRAM CURRENT SOURCING OUTPUT



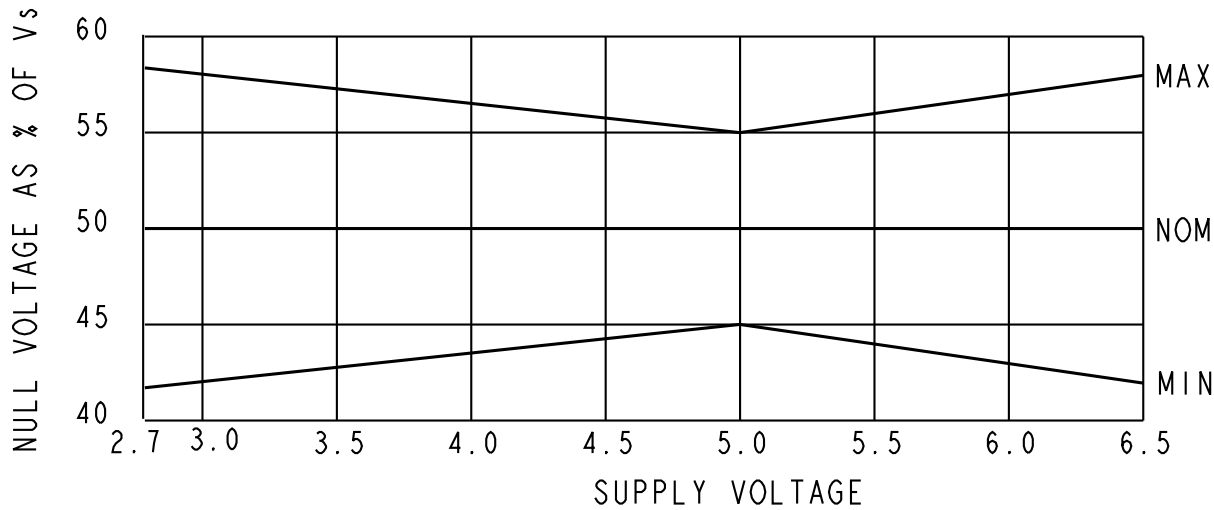
ABSOLUTE MAXIMUM CHARACTERISTICS $\triangle$ 2

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	V_s		-0.5	8	V
OUTPUT VOLTAGE	V_{out}		-0.5	8	V
OUTPUT CURRENT	I_{out}	SOURCE		10	mA
TEMPERATURE	T_A	OPERATING	-40	100	$^{\circ}\text{C}$
	T_s	STORAGE ($V_s=0$)	-55	165	$^{\circ}\text{C}$

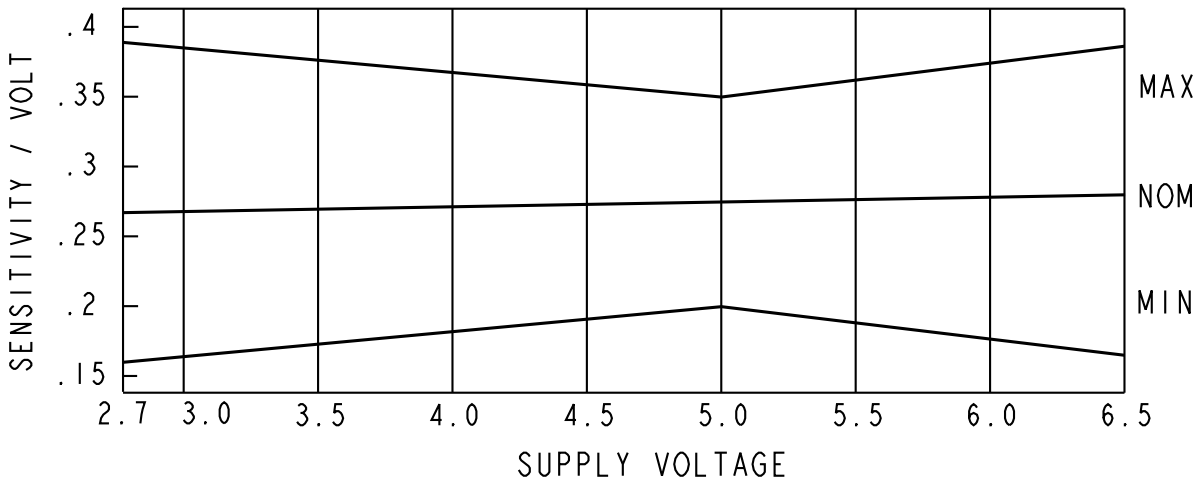
NULL SHIFT VERSUS TEMPERATURE



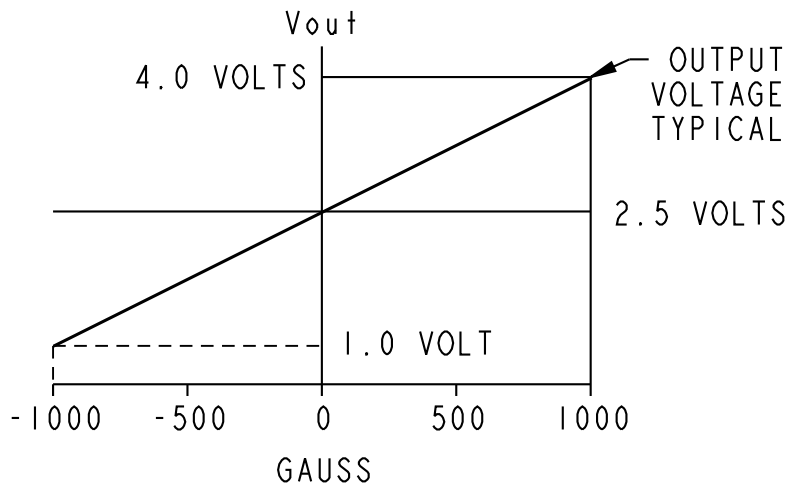
RATIO OF V_{null} TO V_s



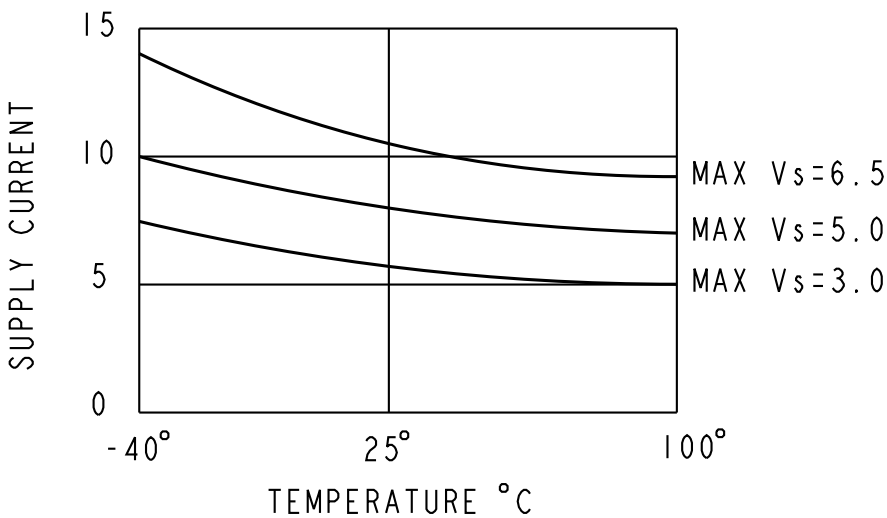
SENSITIVITY/V VERSUS V_s
(mV/Gauss/Volt)



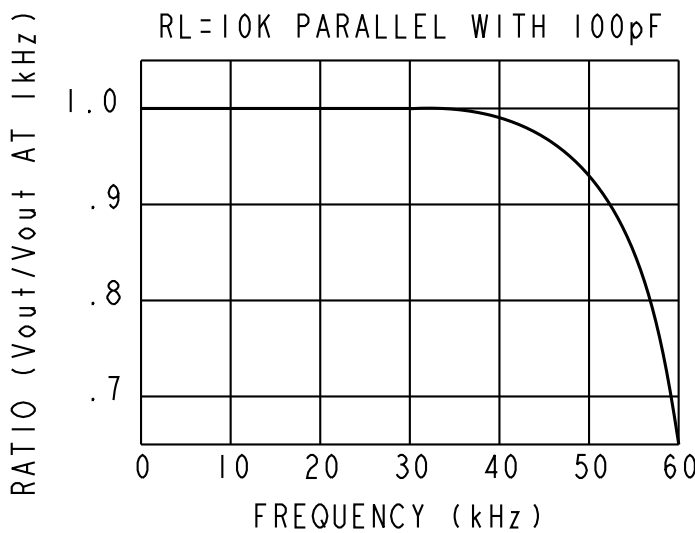
TRANSFER CHARACTERISTICS
AT $V_s=5.0$ VDC



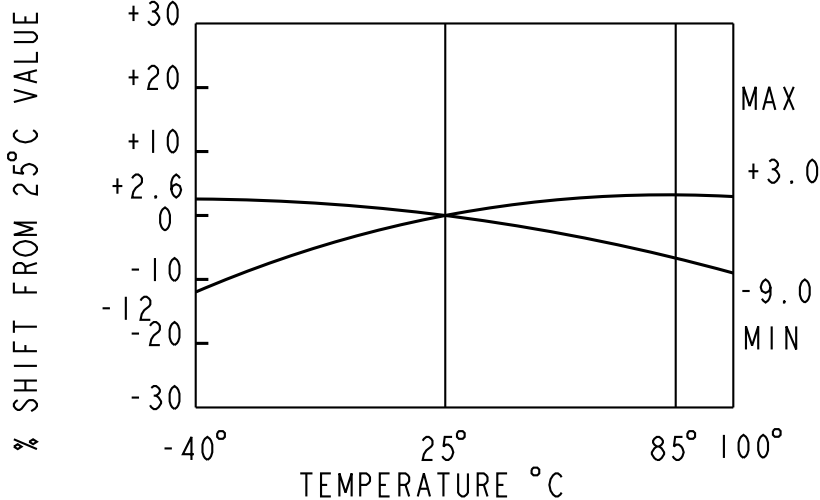
SUPPLY CURRENT
VERSUS TEMPERATURE



TYPICAL FREQUENCY RESPONSE



SENSITIVITY
SHIFT VERSUS TEMPERATURE



THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.

Honeywell

SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
C	I	-	SS39ET	C
SCALE	NONE		SHEET	3 OF 3