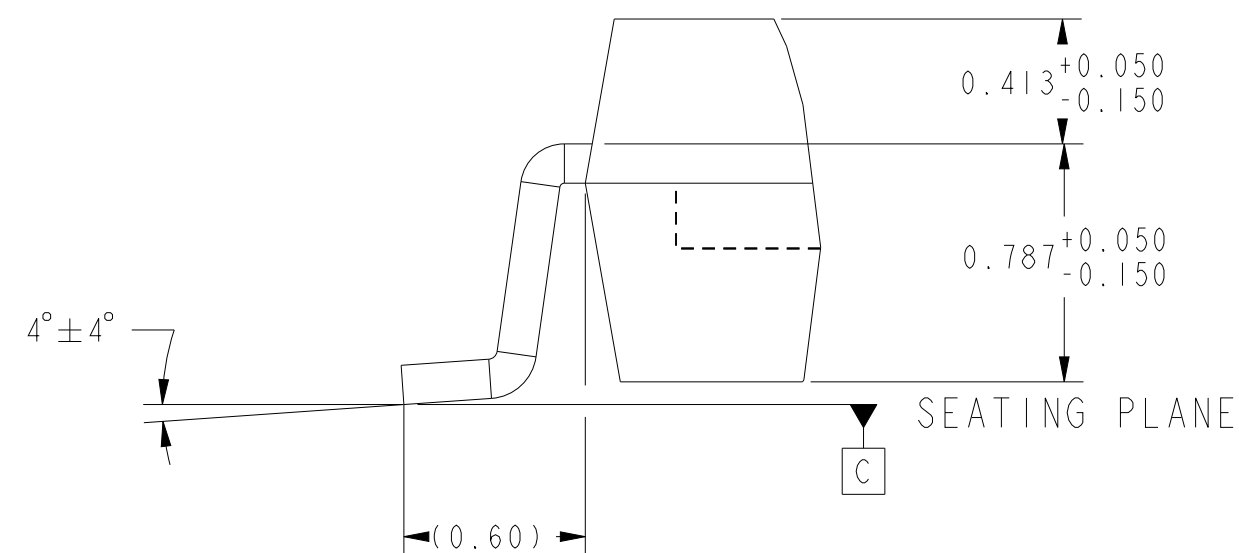
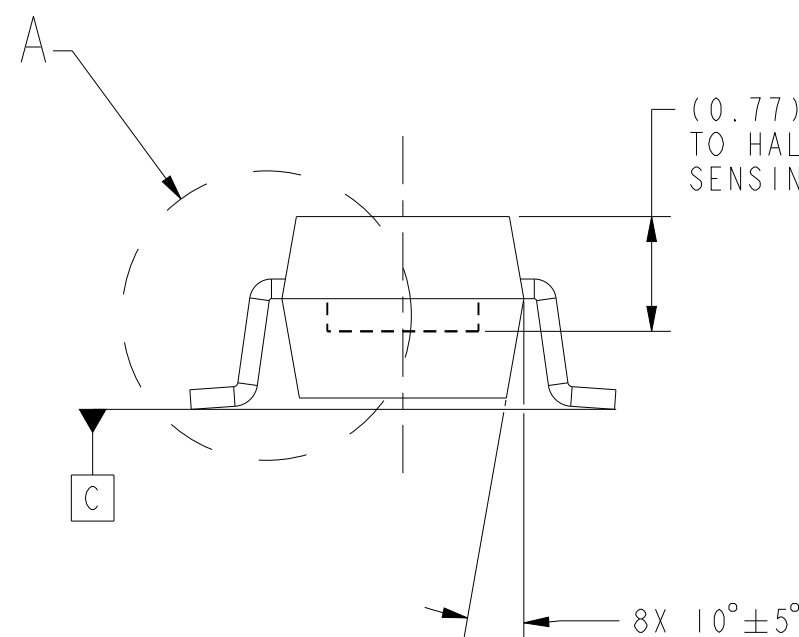
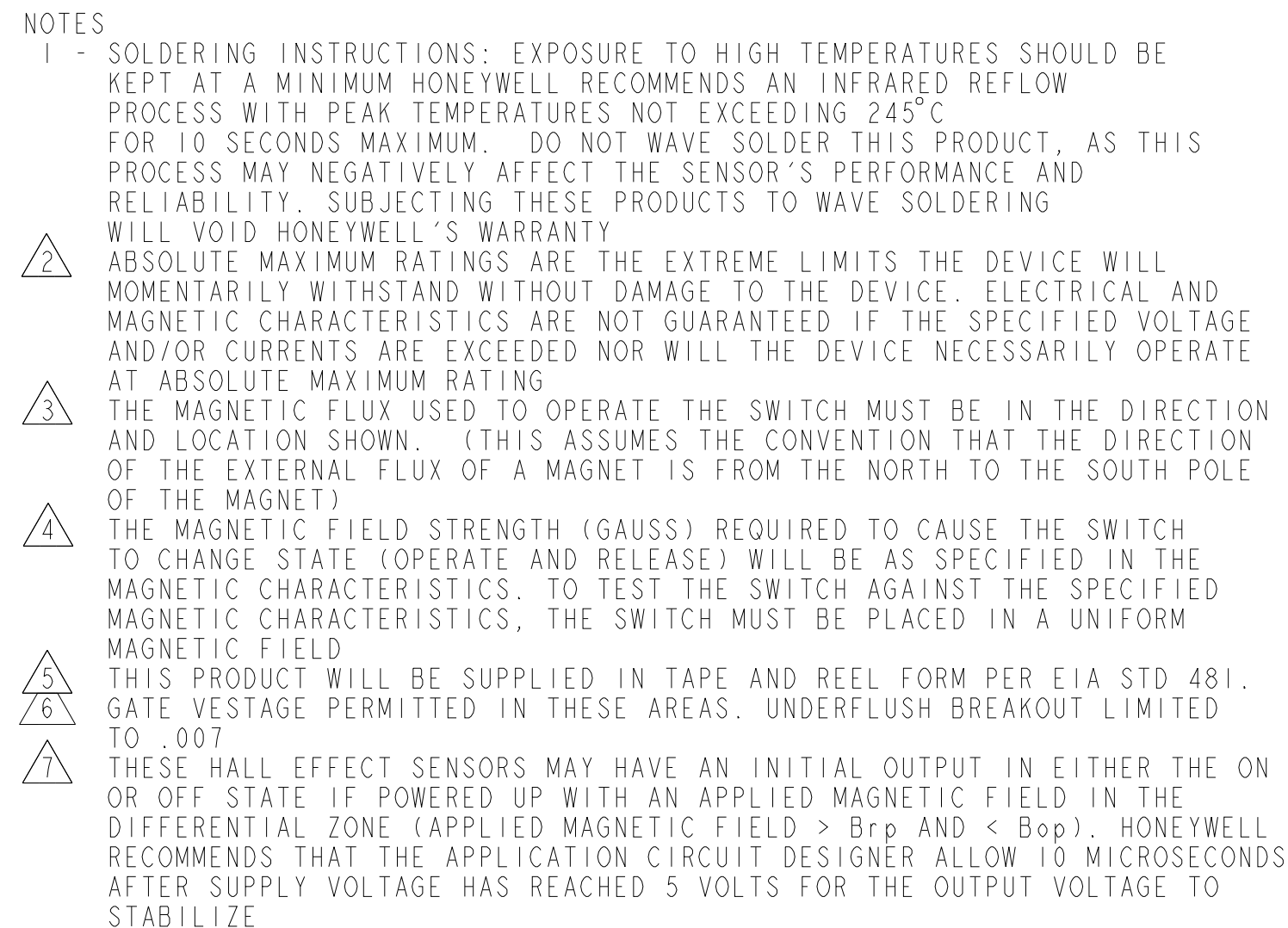
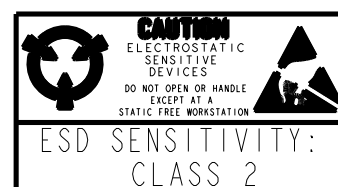
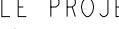


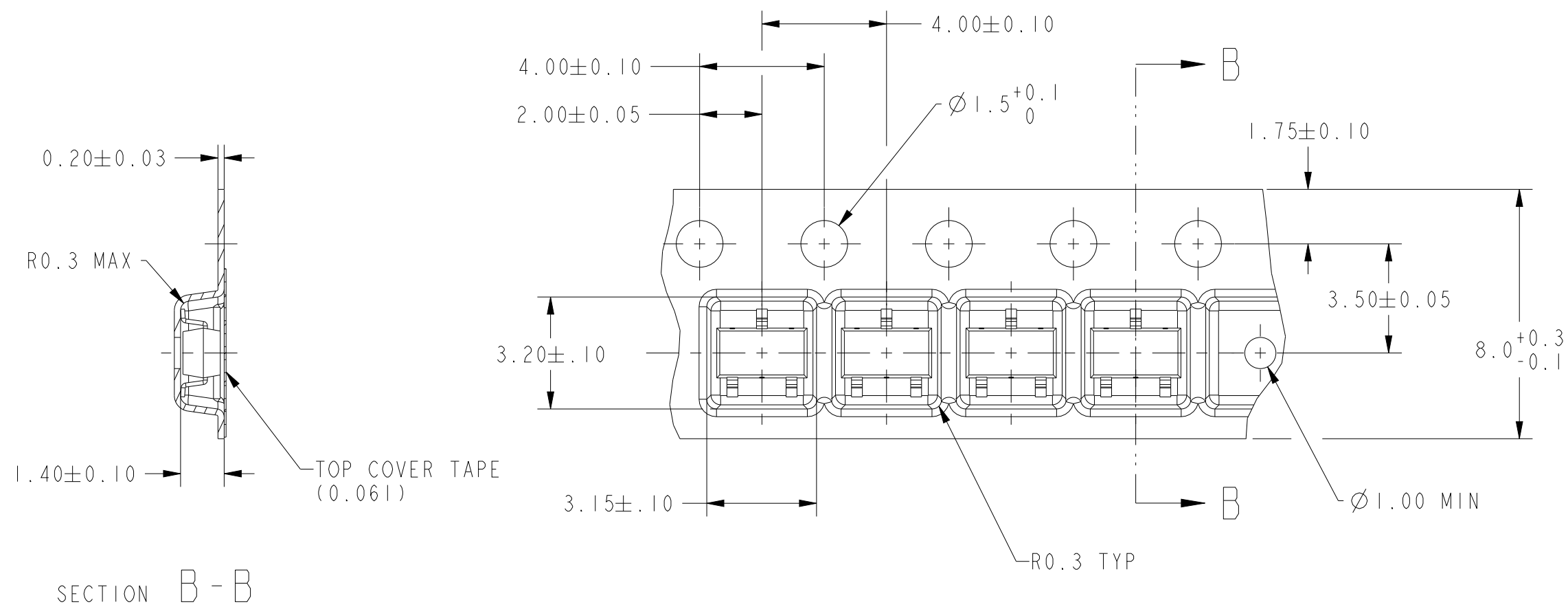
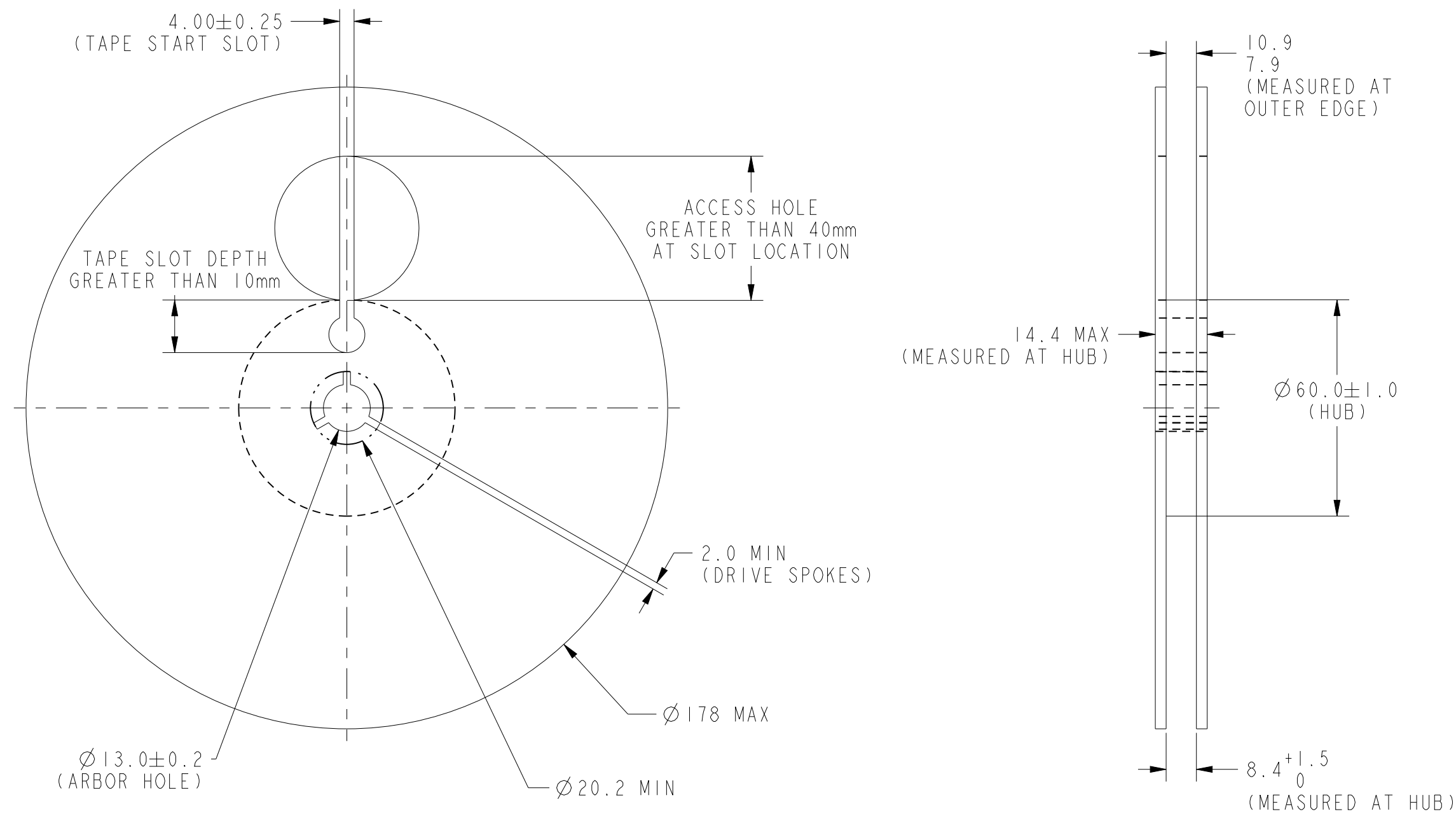
REV	DOCUMENT	CHANGED BY	CHECK
E	0068435	MH 19AUG10	RS



DETAIL A
SCALE 40:1



DESIGN UNITS: MM	DRAWN	JLH	12 FEB 09	<div style="text-align: center;"> <h1>Honeywell</h1> </div>				
TOLERANCES UNLESS NOTED:	CHECK	JLH	12 FEB 09					
NO PLACES X ± 1.000	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.			<div style="text-align: center;"> <h2>TITLE</h2> <h3>SOLID STATE SENSOR, IC</h3> </div>				
ONE PLACE .X ± 0.40								
TWO PLACE .XX ± 0.150								
THREE PLACE .XXX ± 0.005								
ANGLES X ± 3.0°	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
<div style="text-align: center;"> THIRD ANGLE PROJECTION  </div>	Pro/ENGINEER 3D			C	I	-	SS31IPT	E
				SCALE NONE		SHEET 1 OF 3		

TAPE AND REEL DIMENSIONS 5

DIRECTION OF FEED FROM REEL



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Honeywell

SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
C	I	-	SS311PT	E
SCALE	NONE		SHEET	2 OF 3

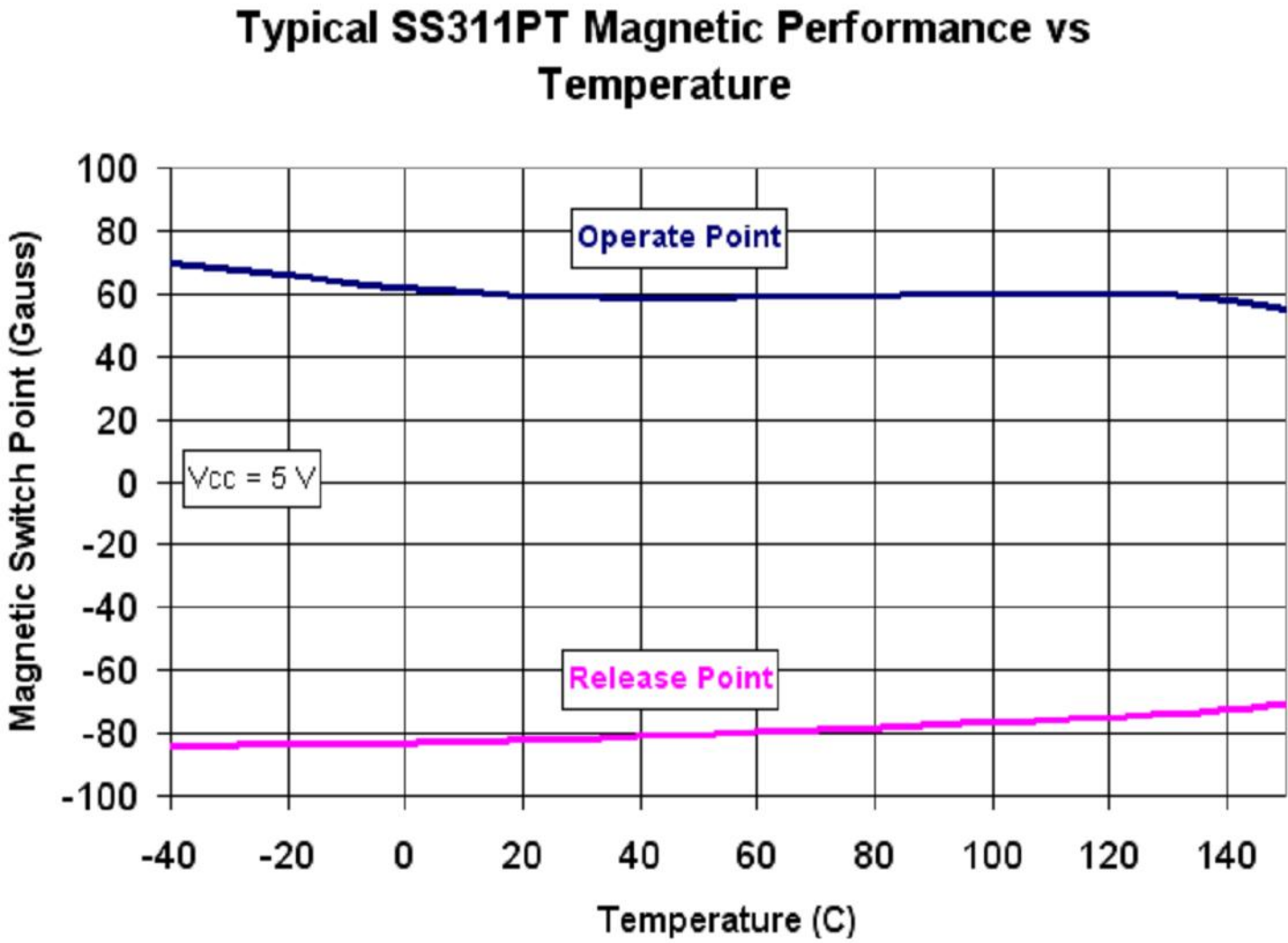
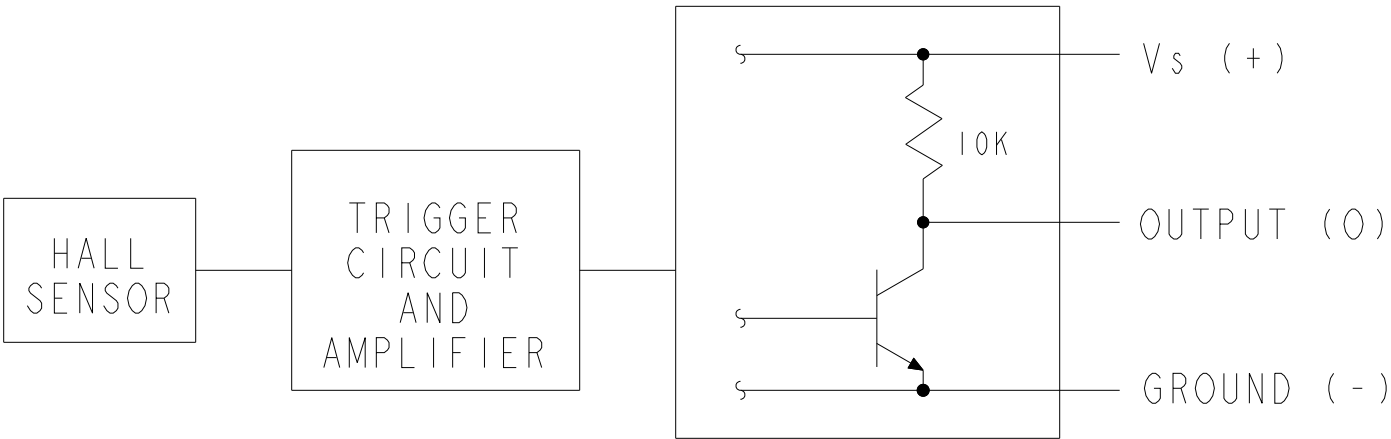
CHARACTERISTICS ARE AT $V_s=2.7$ TO 7 VOLTS WITH 4 mA LOAD WITH \triangle \triangle
 $T_A=-40^{\circ}\text{C}$ TO $+150^{\circ}\text{C}$ UNLESS OTHERWISE NOTED

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE	-40°C TO 150°C	2.7		7.0	VOLTS
SUPPLY CURRENT				14.0	mA
OUTPUT CURRENT				4.0	mA
V_{sat}	GAUSS > 140			0.4	VOLTS
OUTPUT LEAKAGE	GAUSS < -140			10.0	μA
INTERNAL PULL-UP RESISTOR		7.5	10.0	12.5	$\text{k}\Omega$
RISE TIME	25°C			1.5	μS
FALL TIME	25°C			1.5	μS
THERMAL RESISTANCE θ_{JA}	SINGLE LAYER, SINGLE SIDED PCB		303		$^{\circ}\text{C}/\text{W}$
OPERATE		-30	60	140	GAUSS
RELEASE		-140	-80	30	GAUSS
DIFFERENTIAL		40	140		GAUSS
OPERATING TEMP		-40		+150	$^{\circ}\text{C}$
STORAGE TEMP		-40		+150	$^{\circ}\text{C}$

ABSOLUTE MAXIMUM RATINGS \triangle

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE		-0.5		7.0	VOLTS
APPLIED OUTPUT VOLTAGE		-0.5		7.0	VOLTS
OUTPUT CURRENT				8.0	mA
MAGNETIC FLUX				NO LIMIT	GAUSS

BLOCK DIAGRAM CURRENT SINKING OUTPUT



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Honeywell				
SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
C	I	-	SS311PT	E
SCALE NONE		SHEET 3 OF 3		