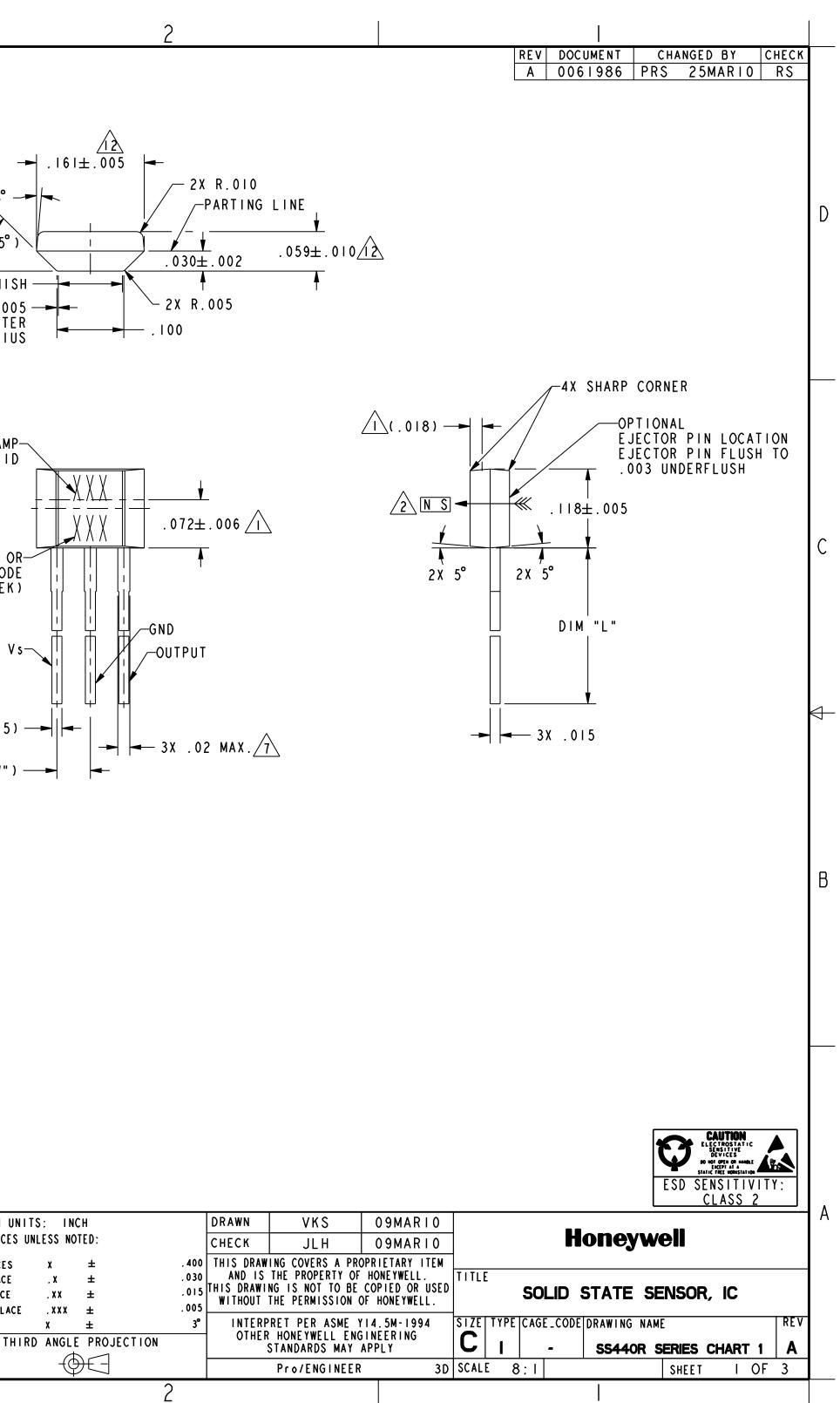
	F0-55112-C	4					3	\checkmark
	HONEYWELL PART NUMBER SS440R SERIES CHTI	CATALOG LISTING SS441R SS443R SS449R	TAPE STYLENONENONENONE	DIM . 575 . 575 . 575 . 575	DIM . 050 . 050 . 050 . 050	COMMENTS I BULK - 1000/BAG BULK - 1000/BAG BULK - 1000/BAG		
D								2X 5°
								AFTER RADIUS
								LASER MARK OR INK STAMP- CATALOG LISTING ID
С	2 - THE + MAG CONVENTIO MAGNET IS	GNETIC FLUX ON THAT THE S FROM THE N	IS IN THE DIRECTION NORTH TO T	DIRECTI OF THE HE SOUTH	ON SHOWN EXTERNAL POLE OF	THE MAGNET)	E SURFACE	LASER MARK OR INK STAMP DATE CODE (YEAR, WEEK) Vs-
4	TABULATE THE SWITC 5 - LEADS MUS SHEARING	ETIC FIELD S O CHANGE STA D. TO TEST CH MUST BE F ST BE ADEQUA	STRENGTH (ATE (OPERA THE SWITC PLACED IN ATELY SUPPO	GAUSS) R TE AND R H AGAINS A UNIFOR ORTED DU	EQUIRED T ELEASE) W T THE SPE M MAGNETI RING ANY	TO CAUSE THE VILL BE AS CCIFIED LIMITS, C FIELD		(3X .015) —— <u>8</u> (2X "W") ——
В	√7 - BURRS ARI Ø.023 HC THICKNESS √8 - DIMENSION	260°C SOLDE E ALLOWED ON DLE. LEAD R S N REFERS TO	RING TEMPE NLY IF FUL EFERENCE D	RATURE 3 L LENGTH	3 SECONDS OF LEADS NS DO NOT	MAX SOLDERING TIM 5 WILL PASS THROUGH INCLUDE SOLDER 5 RLINES AS THE EXI ⁻¹	Η	
	9 - SOME COMI <u>10</u> - ABSOLUTE WILL MOMI ELECTRICA IF THE RA	MAXIMUM RAT ENTARILY WIT AL AND MAGNE ATED VOLTAGE	TINGS ARE THSTAND WI TIC CHARA AND/OR C	THE EXTR THOUT DA CTERISTI URRENTS	EME LIMIT MAGE TO T CS ARE NC ARE EXCEE	OPTIONS MAY NOT E S THE DEVICE HE DEVICE. T GUARANTEED DED NOR WILL SIMUM RATINGS	BE AVAILABLE	
	APPLICAT USE A TAI <u>12</u> - MOLDED PA .005 MAX	IONS HAVING PE PACKAGING ART DIMENSIG	A CRITICA G OPTION DNS DO NOT	L LEAD S	TRAIGHTNE FLASH.	UNITS BY BULK PACE SS REQUIREMENT SHO FLASH IS LIMITED OUTPUT IN EITHER	TO	
A	OFF STAT ZONE (AP THAT THE VOLTAGE TO STABI	E IF POWERED PLIED MAGNET APPLICATION HAS REACHED LIZE DITIONS: Vcc	OUPWITH TICFIELD NCIRCUIT 3 VOLTSF	AN APPLI > Brp AN DESIGNER OR THE O	ED MAGNET D < Bop). ALLOW IO UTPUT VOL	TIC FIELD IN THE D HONEYWELL RECOMM MICROSECONDS AFTE TAGE	IFFERENTIAL MENDS	DESIGN UNITS: TOLERANCES UNLES: NO PLACES X ONE PLACE TWO PLACE THREE PLACE ANGLES X
	<u>∕15</u> - B>MAX OPI <u>∕16</u> - B <min rei<="" td=""><td></td><td></td><td></td><td></td><td></td><td>3</td><td>THIRD AI</td></min>						3	THIRD AI
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FO-55112-C

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CHARACTERISTICS ARE AT Vs = 3.0 TO 24 VOLTS WITH 20mA LOAD WITH 4 13 TA = -40°C TO +150°C UNLESS OTHERWISE NOTED

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE	-40°C TO 150°C	3.0		24.0	VOLTS
		-			
	VSUPPLY=5V AT 25°C		4.0	6.0	
SUPPLY CURRENT	VSUPPLY=3V AT 25°C		3.5	5.0	mA
				8.0	
	I	T	1		
OUTPUT CURRENT				20.0	mA
Vsat / 🛦	<u></u>			0.4	VOLTS
OUTPUT LEAKAGE	<u></u>			10.0	μΑ
RISE TIME 🔬	25°C			Ι.5	μS
FALL TIME / 🛦	25°C			Ι.5	μs
THERMAL RESISTANCE R O JA			233		°C/W
RESISTANCE NOJA					
OPERATE A					
SS441R		35	75	135	GAUSS
SS443R		45	135	205	GAUSS
SS449R		240	305	460	GAUSS
	1	Г	1	I	Γ
RELEASE <u>A</u>					
SS44IR		10	35	120	GAUSS
SS443R		40	85	180	GAUSS
SS449R		135	225	370	GAUSS
DIFFERENTIAL					
SS44IR		5	40	80	GAUSS
SS443R		5	50	120	GAUSS
SS449R		30	80	170	GAUSS
	1	I.	1	I	I
OPERATING TEMP		- 40		+ 50	°C
STORAGE TEMP		- 40		+150	°C

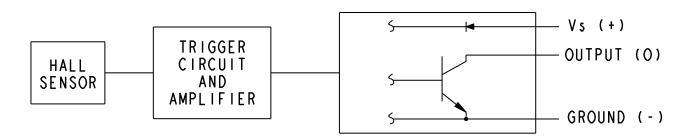
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BLOCK DIAGRAM CURRENT SINKING OUTPUT



ABSOLUTE MAXIMUM RATING 10

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE		-28.0		28.0	VOLTS
APPLIED OUTPUT VOLTAGE		-0.5		28.0	VOLTS
OUTPUT CURRENT				20.0	mA
MAGNETIC FLUX				NO LIMIT	GAUSS

CATALOG LISTING	MAGNETIC TYPE	CATALOG LISTING ID
SS441R	UNIPOLAR	4 I R
SS443R	UNIPOLAR	43R
SS449R	UNIPOLAR	49R



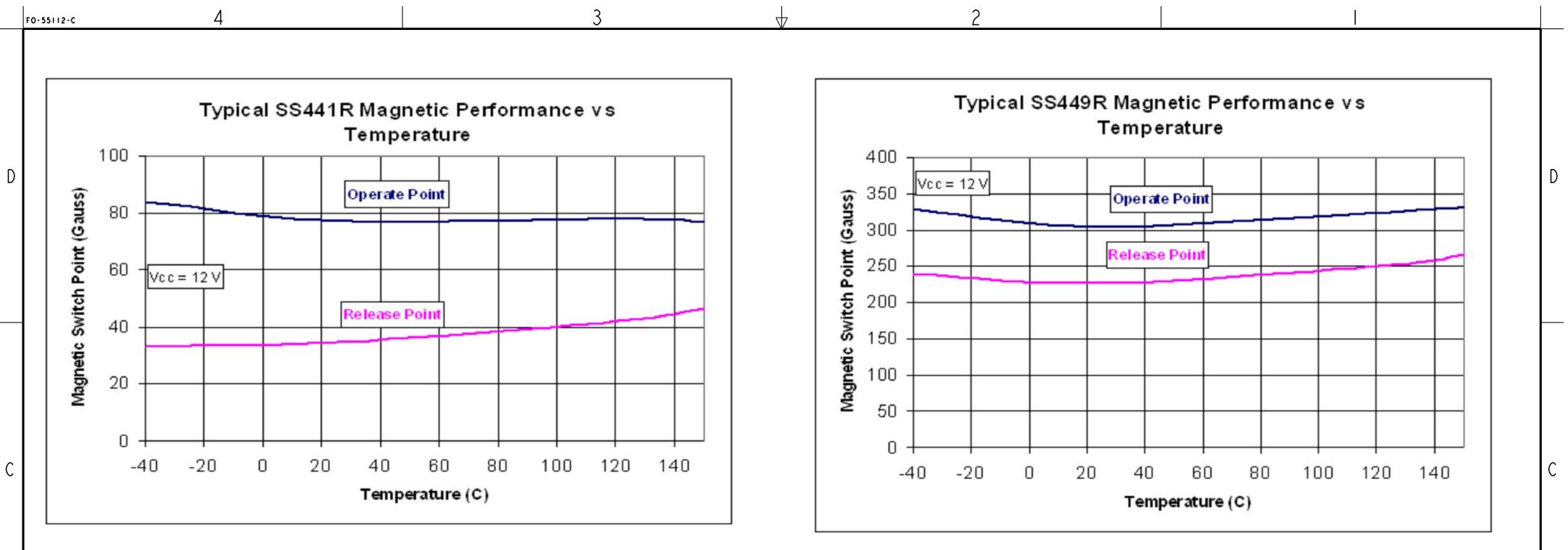
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF	Honeywell							
HONEYWELL. THIS DRAWING IS		ΤΥΡΕ	CAGE_CODE	DRAWING NA	ME		REV	
NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.		1	-	SS440R	SERIES	CHART 1	Α	
	SCAL	E NO	ONE		SHEET	2 OF	3	

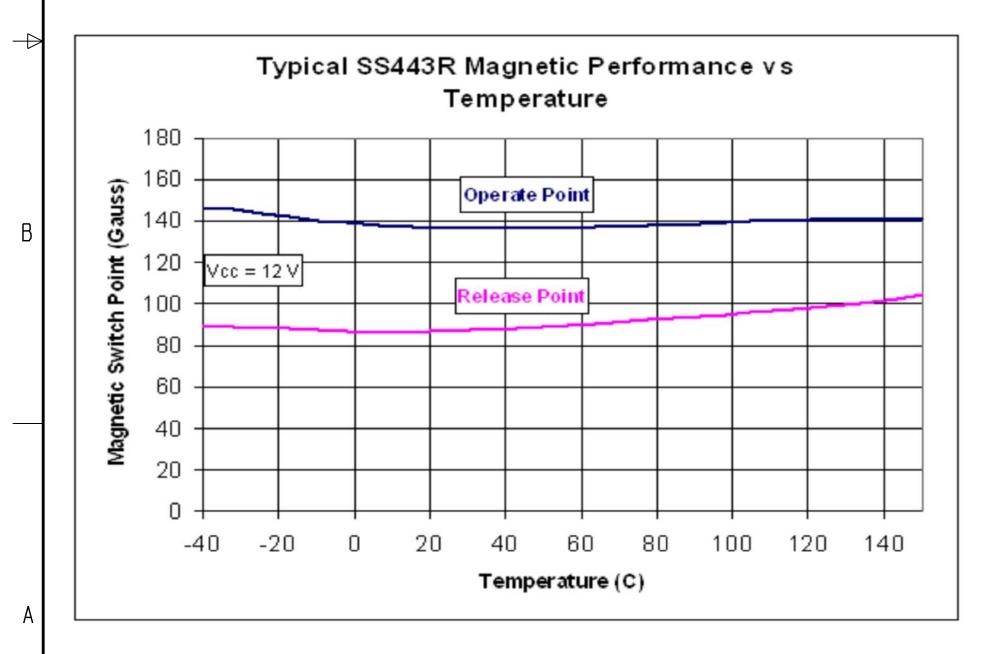
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CAUTION ELECTROSTATIC SERVICES D NOT OFF OF MARKE EXCEPT AT A STATIC FRE OBJESTION	
ESD SENSITIVITY:	
CLASS 2	

В

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF		Honeywell						
HONEYWELL. THIS DRAWING IS	SIZE	TYPE	CAGE_CODE	DRAWING N	AME		REV	
NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.		1	-	SS440R	SERIES	CHART 1	A	
	SCAL	E NC	ONE		SHEET	3 OF	3	