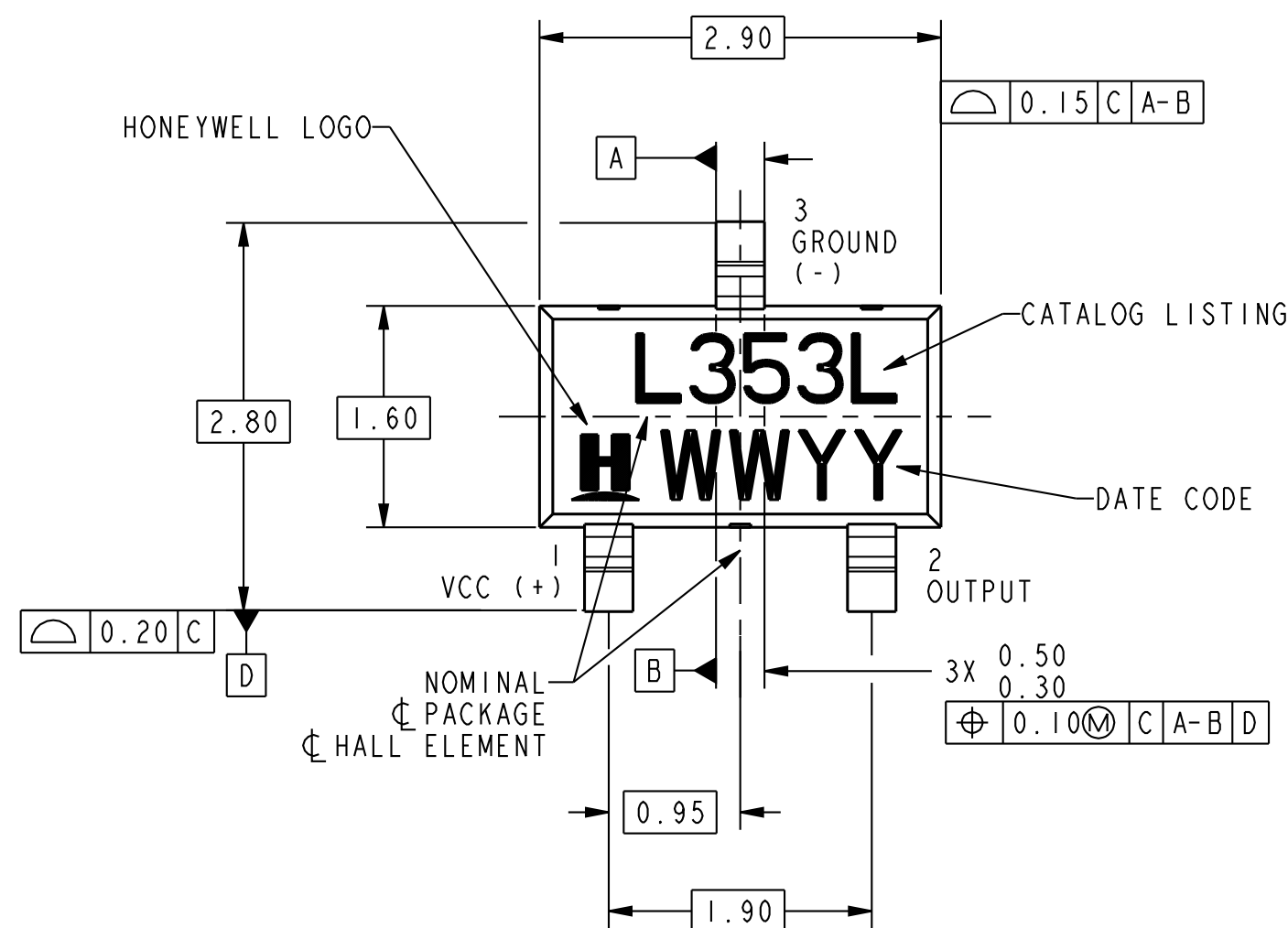


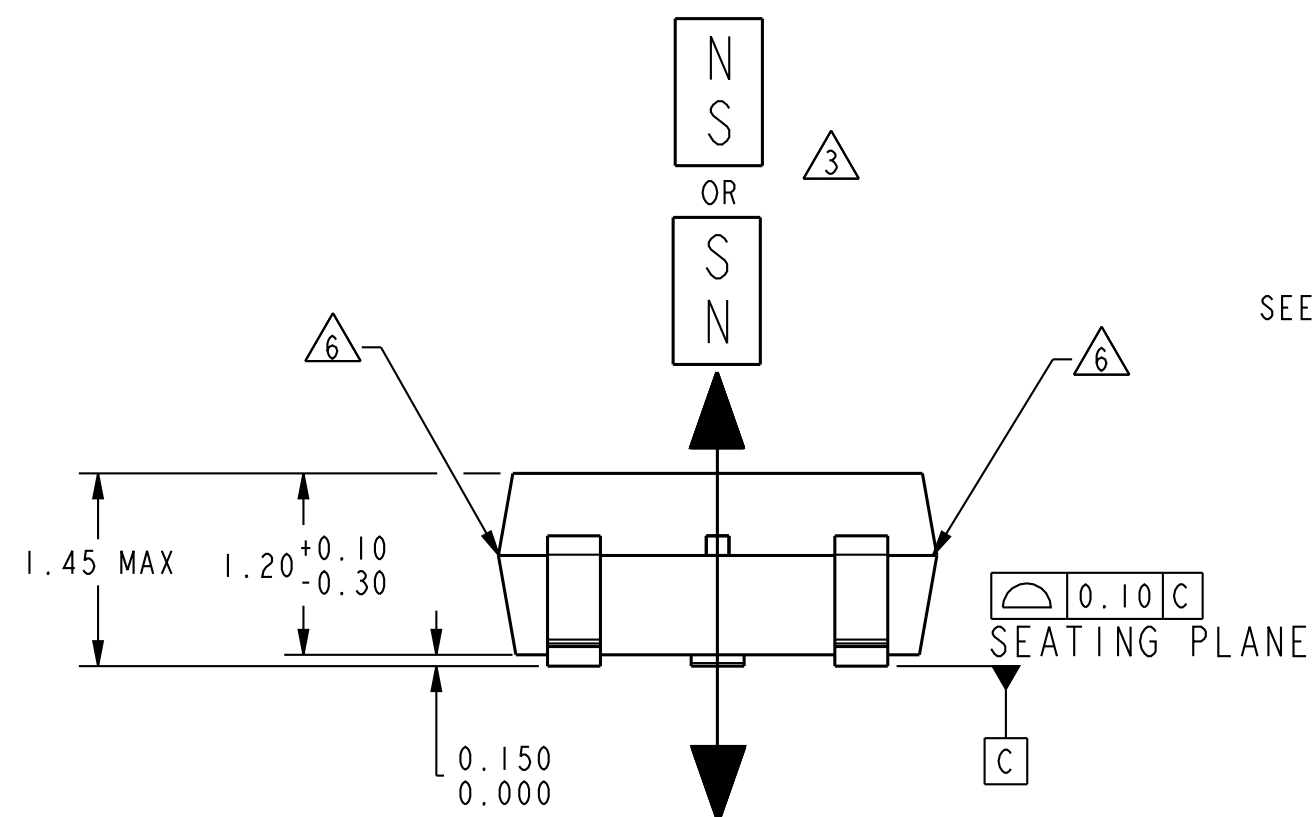
HONEYWELL
PART NUMBER
SL353LT

REV	DOCUMENT	CHANGED BY	CHECK
C	0075454	PSP 21MAR11	KNR

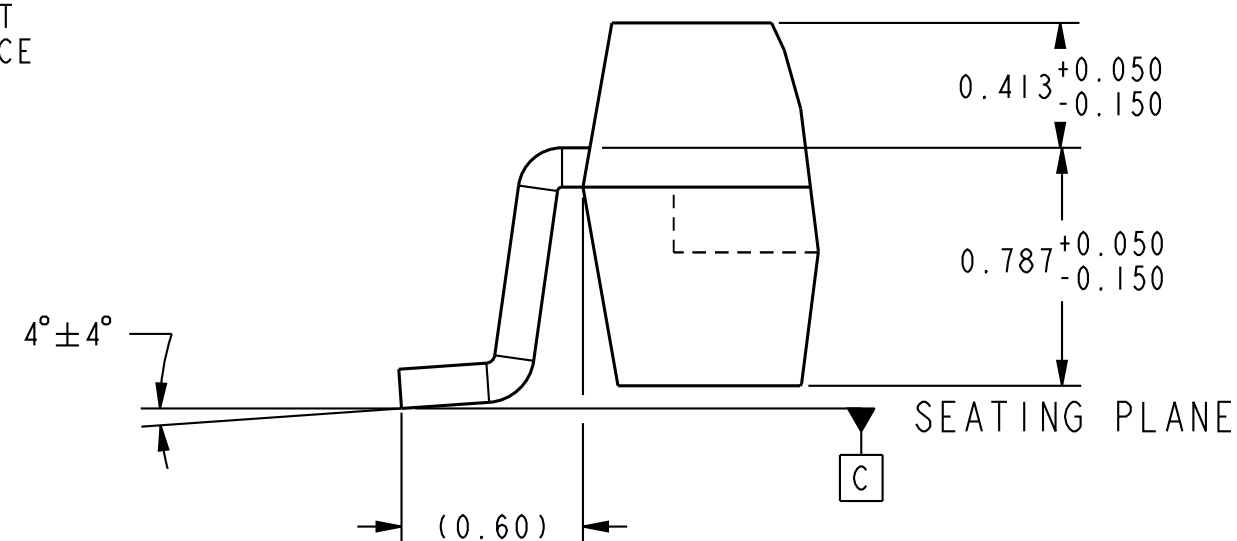
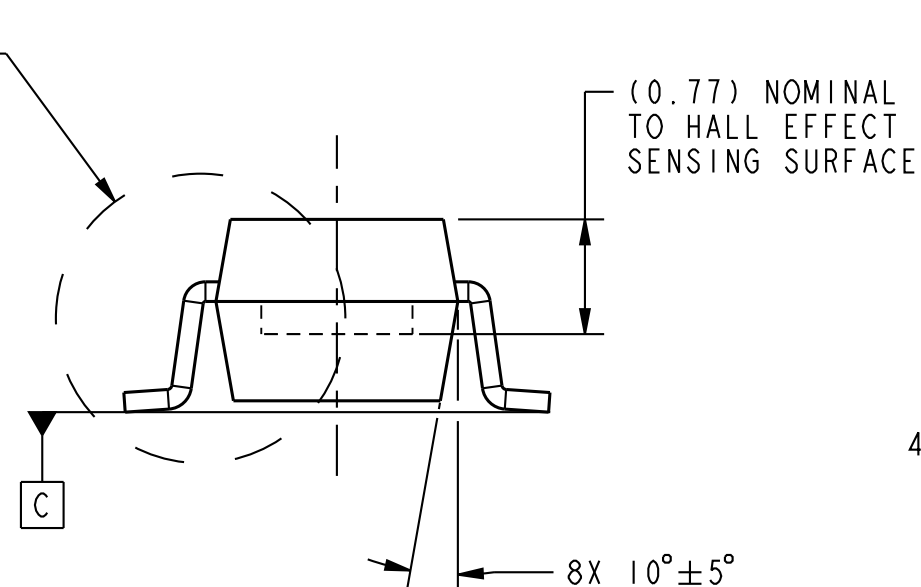


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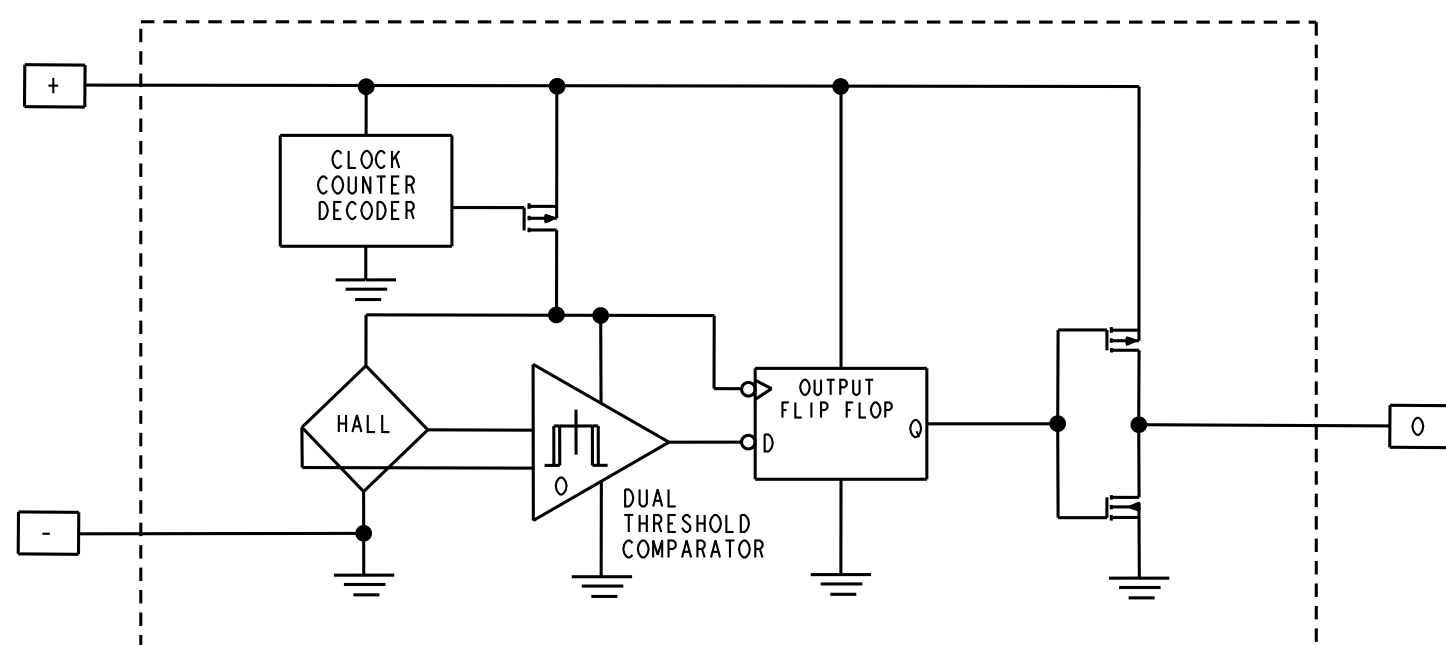
- 1 - SOLDERING INSTRUCTIONS: EXPOSURE TO HIGH TEMPERATURES SHOULD BE KEPT AT A MINIMUM. HONEYWELL RECOMMENDS AN INFRARED REFLOW PROCESS WITH PEAK TEMPERATURES NOT EXCEEDING 245°C FOR 10 SECONDS MAXIMUM. DO NOT WAVE SOLDER THIS PRODUCT, AS THIS PROCESS MAY NEGATIVELY AFFECT THE SENSOR'S PERFORMANCE AND RELIABILITY. SUBJECTING THESE PRODUCTS TO WAVE SOLDERING WILL VOID HONEYWELL'S WARRANTY.
- 2 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 SPECIFIED VOLTAGE AND/OR CURRENTS ARE EXCEEDED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATING.
- 3 THE MAGNETIC FLUX USED TO OPERATE THE SWITCH MUST BE IN BOTH DIRECTION AND LOCATION SHOWN. THIS IS OMNI POLAR DEVICE SENSITIVE TO EITHER POLE.
- 4 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.
- 5 THIS PRODUCT WILL BE SUPPLIED IN TAPE AND REEL FORM PER EIA STD 481.
- 6 GATE VESTAGE PERMITTED IN THESE AREAS. UNDERFLUSH BREAKOUT LIMITED TO .007.
- 7 THESE HALL EFFECT SENSORS MAY HAVE AN INITIAL OUTPUT IN EITHER THE ON OR OFF STATE IF POWERED UP WITH AN APPLIED MAGNETIC FIELD IN THE DIFFERENTIAL ZONE (APPLIED MAGNETIC FIELD > B_{op} AND < B_{op}). HONEYWELL RECOMMENDS THAT THE APPLICATION CIRCUIT DESIGNER ALLOW 10 MICROSECONDS AFTER SUPPLY VOLTAGE HAS REACHED V_s FOR THE OUTPUT VOLTAGE TO STABILIZE.



SEE DETAIL A

DETAIL A
SCALE 40:1

1547 LOW POWER HALL SIMPLIFIED BLOCK DIAGRAM



DESIGN UNITS: MM TOLERANCES UNLESS NOTED:			DRAWN	JLH	23JUN10	Honeywell			
NO PLACES X ± 1.000 ONE PLACE .X ± 0.40 TWO PLACE .XX ± 0.150 THREE PLACE .XXX ± 0.005 ANGLES X ± 3.0°			CHECK	JLH	23JUN10				
THIRD ANGLE PROJECTION			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.			TITLE LOW POWER SOLID STATE SENSOR, IC			
			INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE	TYPE	CAGE CODE	DRAWING NAME
			Pro/ENGINEER 3D			A2	I	-	SL353LT
			SCALE NONE			SHEET 1 OF 4			REV C

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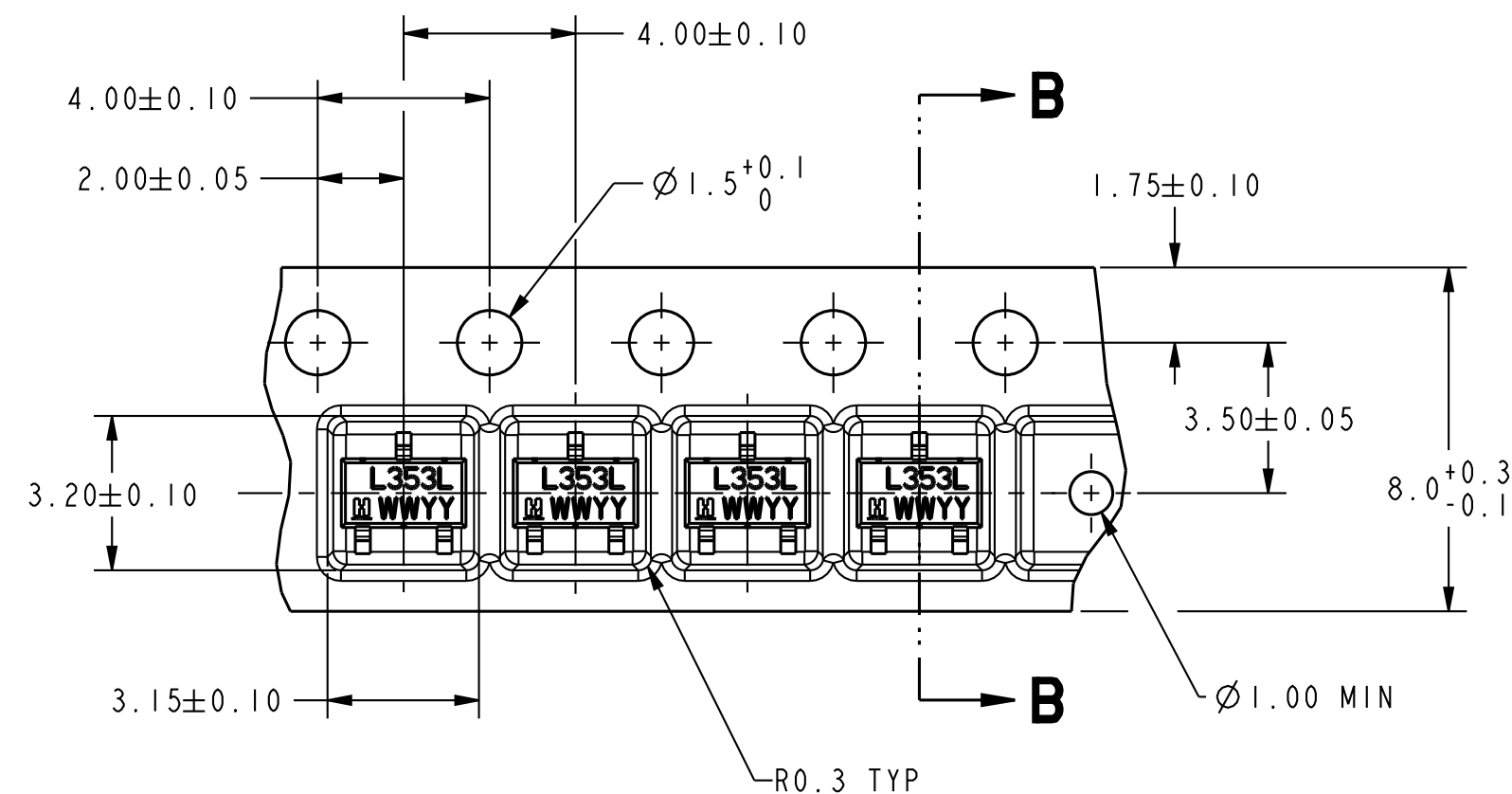
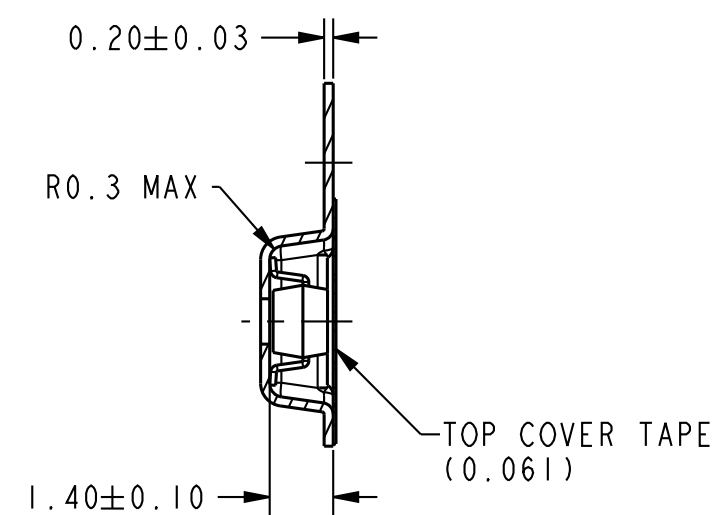
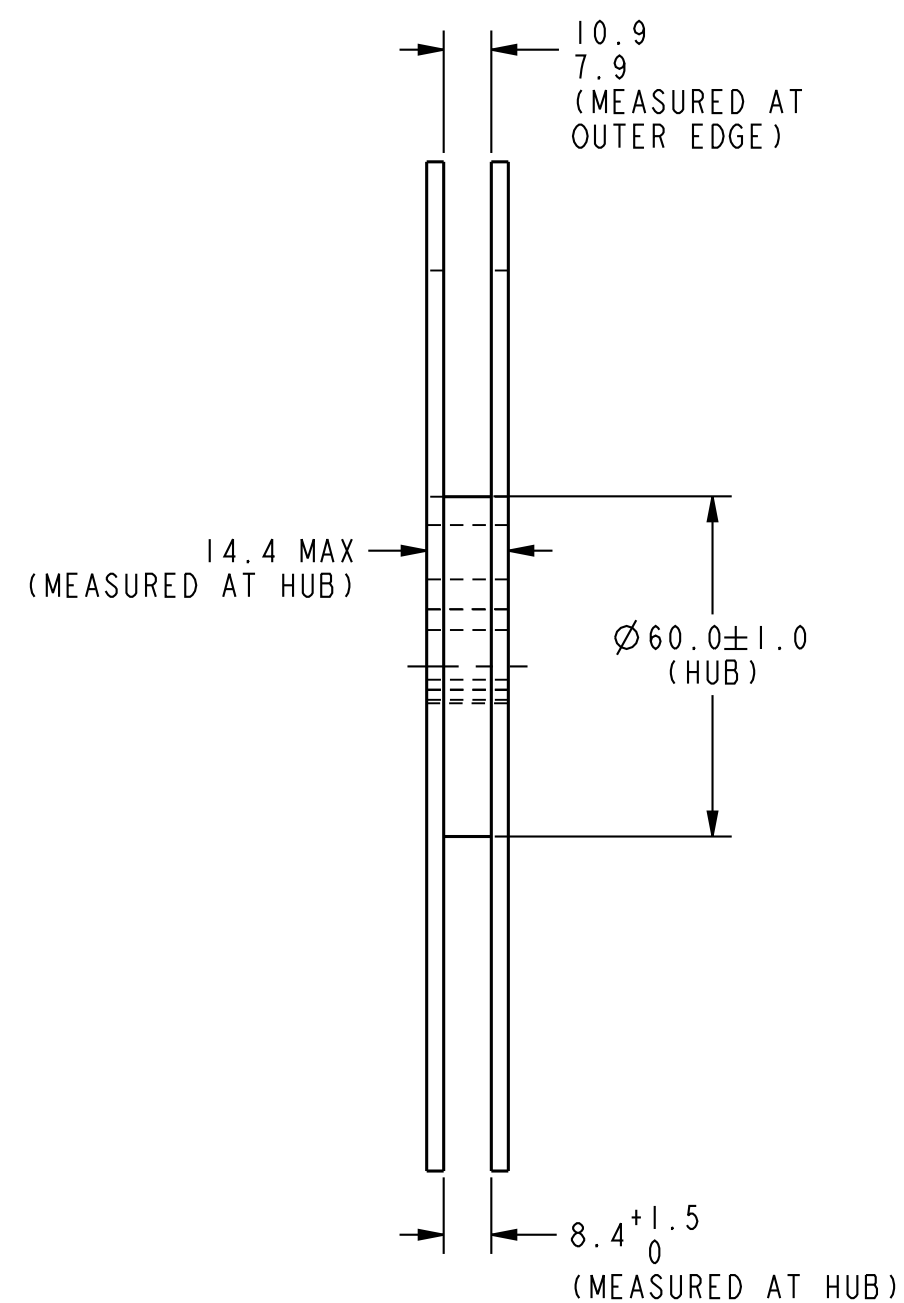
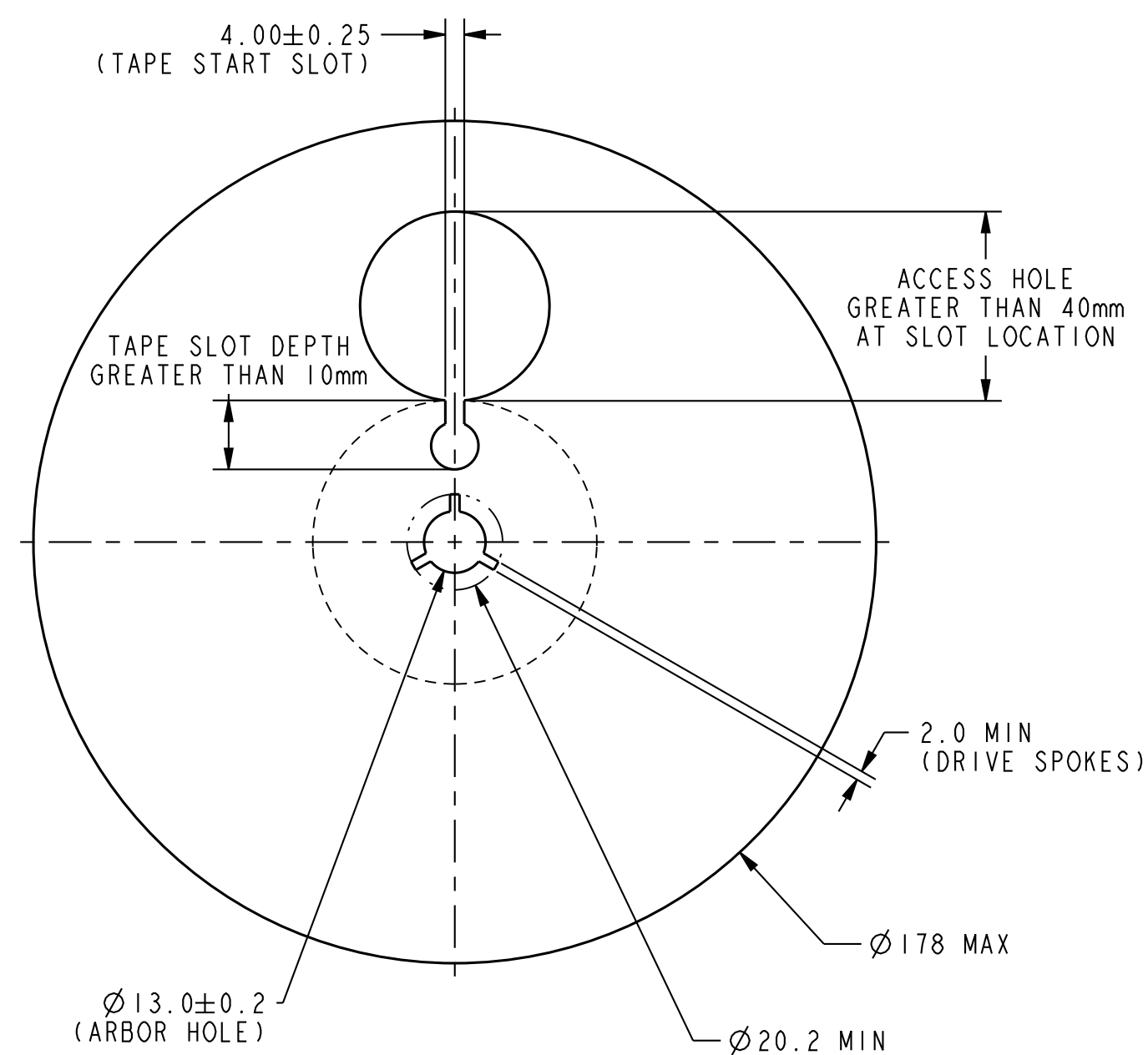
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TAPE AND REEL DIMENSIONS 5

DIRECTION OF FEED FROM REEL



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Honeywell

SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
A2	I	-	SL353LT	C
SCALE	NONE		SHEET	2 OF 4

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MAGNETIC CHARACTERISTICS (2.2V≤Vs≤5.5V, -40°C≤Ta≤85°C)

CHARACTERISTICS	CONDITIONS	MIN	TYP	MAX	UNIT
OPERATE (POSITIVE)		20	60	110	GAUSS
OPERATE (NEGATIVE)		-110	-60	-20	GAUSS
RELEASE (POSITIVE)		5	45	95	GAUSS
RELEASE (NEGATIVE)		-95	-45	-5	GAUSS
DIFFERENTIAL		3	15	60	GAUSS

ELECTRICAL CHARACTERISTICS (2.2V≤Vs≤5.5V, -40°C≤Ta≤85°C UNLESS OTHERWISE SPECIFIED)

CHARACTERISTIC	CONDITIONS	MIN	TYP	MAX	UNIT
SUPPLY VOLTAGE		2.2	2.8	5.5	VOLTS
ACTIVE MODE CURRENT			2.5	9	mA
SLEEP MODE CURRENT			1.5	8	μA
AVERAGE CURRENT			1.8	9	μA
ACTIVE MODE TIME		3	6	30	μS
PERIOD		20	45	150	mS
DUTY CYCLE		0.005	0.013	0.025	%
VOL	LOAD CURRENT = 100μA		0.11	0.25	VOLTS
VOH	LOAD CURRENT = 100μA	Vs-0.25	Vs-0.11		VOLTS
OPERATING TEMPERATURE		-40		85	°C
STORAGE TEMPERATURE		-40		150	°C

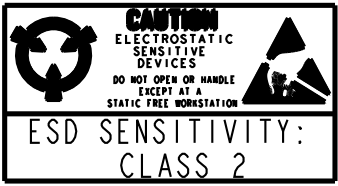
ELECTRICAL CHARACTERISTICS (Vs = 2.8V, Ta = 25°C)

CHARACTERISTIC	CONDITIONS	MIN	TYP	MAX	UNIT
ACTIVE MODE CURRENT			2.5	4	mA
SLEEP MODE CURRENT			1.5	2.5	μA
AVERAGE CURRENT			1.8	3	μA
ACTIVE MODE TIME		3	6	9	μS
PERIOD		30	45	80	mS
DUTY CYCLE		0.01	0.013	0.016	%
VOL	LOAD CURRENT = 100μA		0.11	0.15	VOLTS
VOH	LOAD CURRENT = 100μA	Vs-0.15	Vs-0.11		VOLTS

ABSOLUTE MAXIMUM RATINGS

CHARACTERISTIC	CONDITIONS	MIN	TYP	MAX	UNIT
SUPPLY VOLTAGE		-0.5		6	VOLTS
OPERATING TEMPERATURE	AMBIENT	-40		150	°C
SOLDERING TEMPERATURE	APPLIED FOR < 10 SECONDS			265	°C
LOAD CURRENT				5	mA

NOTE: "ABSOLUTE MAXIMUM RATINGS" ARE THOSE VALUES BEYOND WHICH THE SAFETY OF THE DEVICE CANNOT BE GUARANTEED. THIS IS A STRESS RATING ONLY AND FUNCTIONAL OPERATION OF THE DEVICE AT THESE OR ANY OTHER CONDITIONS ABOVE THOSE INDICATED IN THE OPERATIONAL SECTIONS OF THIS SPECIFICATION IS NOT IMPLIED. EXPOSURE TO ABSOLUTE MAXIMUM RATINGS FOR EXTENDED PERIODS MAY AFFECT RELIABILITY.



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Honeywell

SIZE

TYPE

CAGE CODE

DRAWING NAME

REV

A2

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SL353LT

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SCALE

NONE

SHEET

3 OF 4

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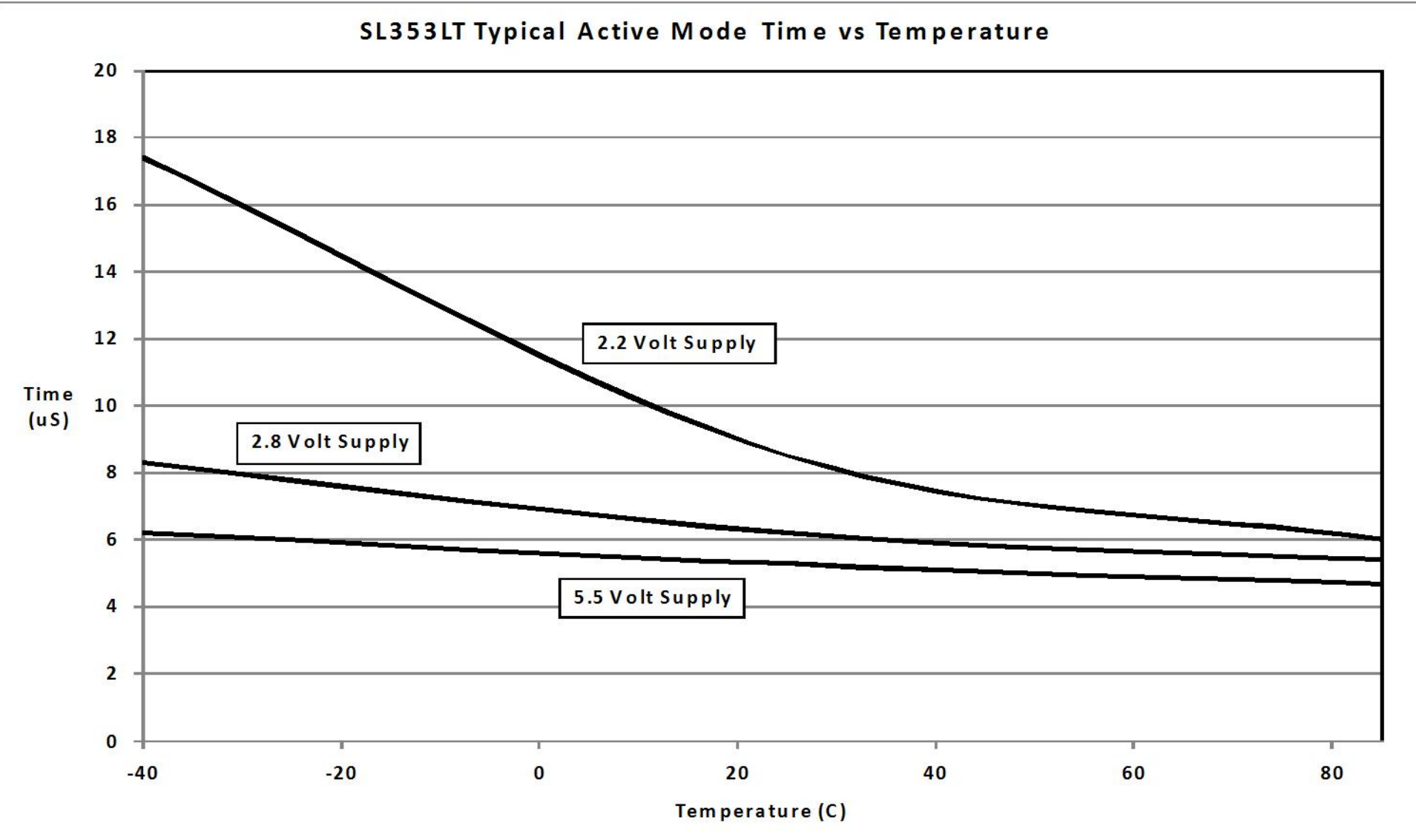
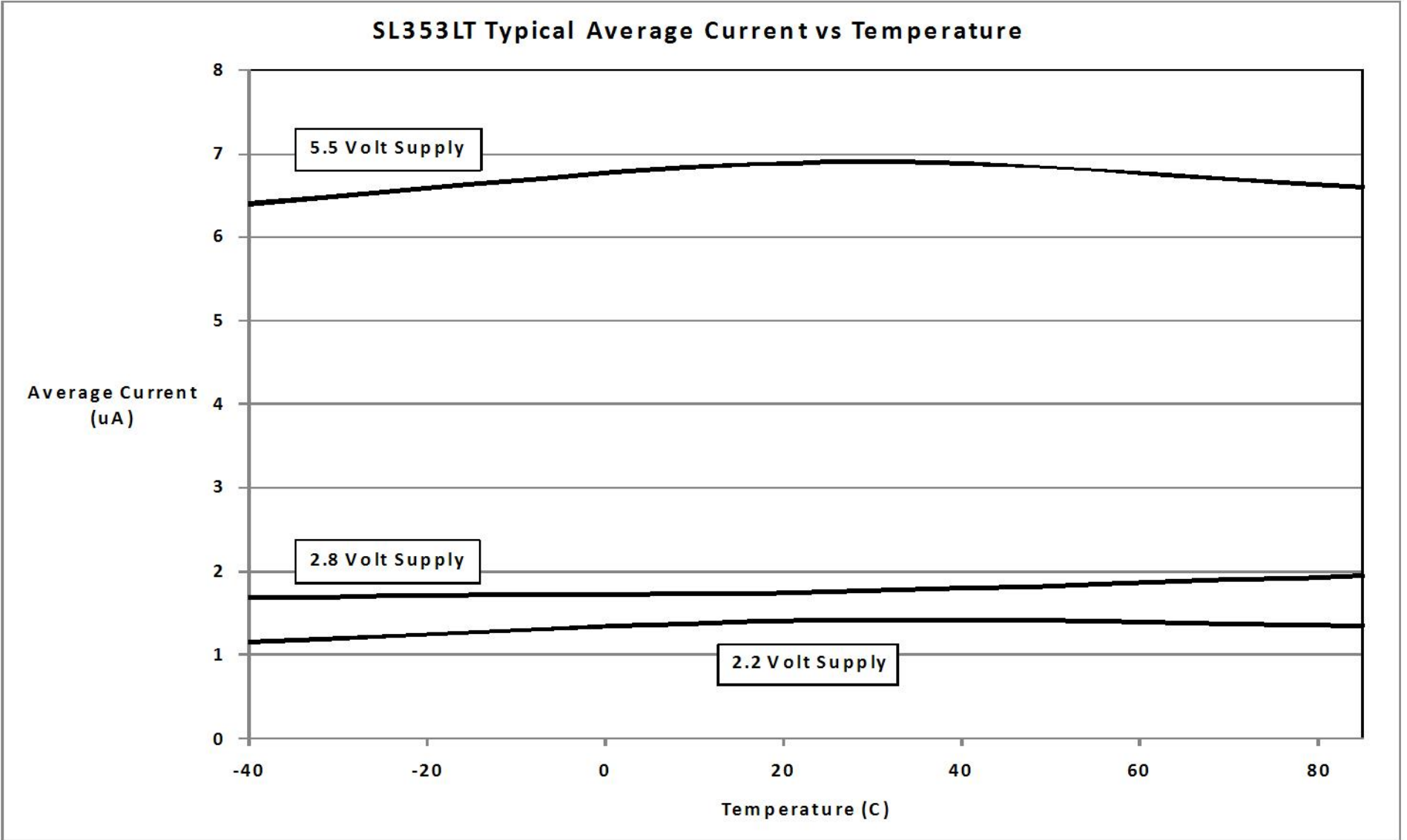
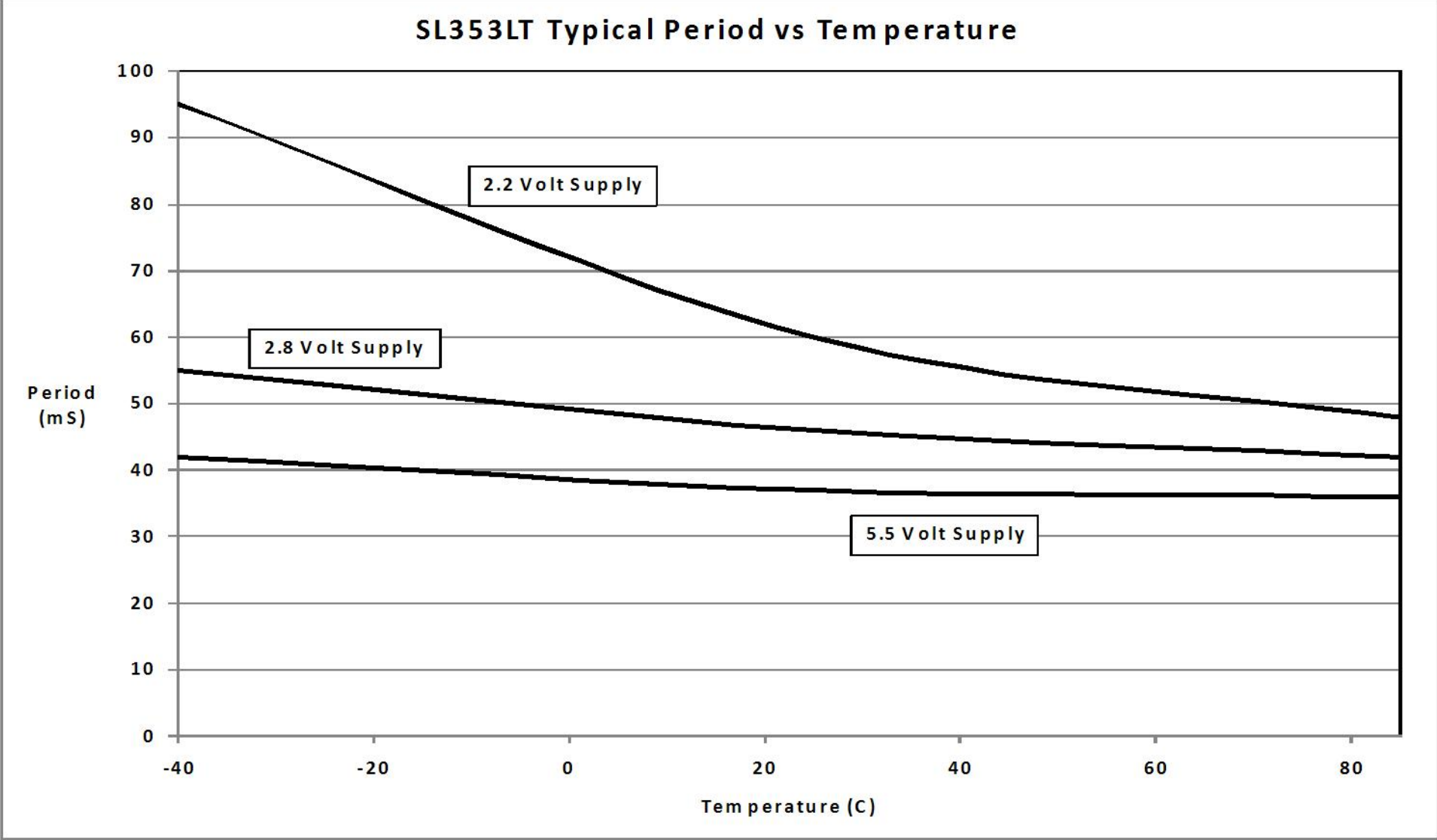
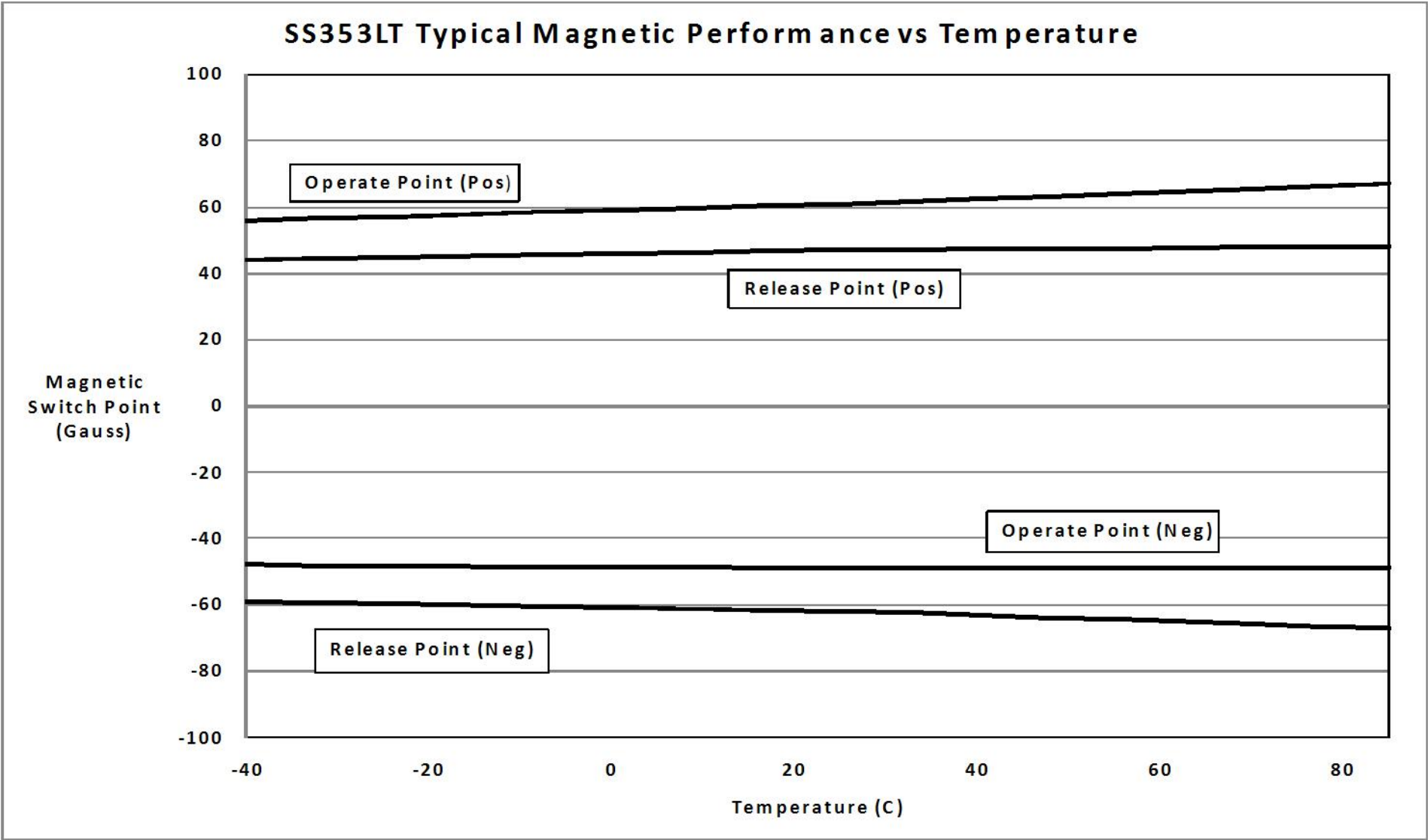
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Honeywell					REV
SIZE	TYPE	CAGE CODE	DRAWING NAME		
A2	I	-	SL353LT		C
SCALE		NONE		SHEET	4 OF 4

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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