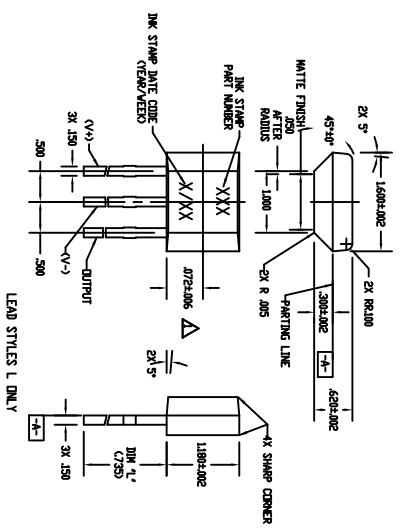


- NOTES**
- 1 - CENTERLINE OF HALL CELL
  - 2 - THE + MAGNETIC FLUX IS IN THE DIRECTION SHOWN (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET)
  - 3 - THE DEVICE CANNOT BE DAMAGED BY MAGNETIC OVEREXPOSURE
  - 4 - DIBOL MUST BE RATTLED/SHIPPED SUPPORTED DURING ANY EMPLOYMENT OPERATION TO AVOID DAMAGE TO THE LEADS
  - 5 - LEADS MUST BE RATTLED/SHIPPED SUPPORTED DURING ANY EMPLOYMENT OPERATION TO AVOID DAMAGE TO THE LEADS
  - 6 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:  
 250°C TO 260°C SOLDERING TEMPERATURE, 3 SECONDS MAX SOLDERING TIME  
 BUBBLES ARE ALLOWED ONLY IF FULL LENGTH OF LEADS WILL PASS THROUGH Ø0.023 HOLE.  
 LEAD REFERENCE DIMENSIONS DO NOT INCLUDE SOLDER THICKNESS
  - 7 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THEY ARE AVAILABLE
  - 8 - ABSOLUTE COMBINATIONS OF BASIC LISTING AND PACKAGE OPTIONS MAY NOT BE AVAILABLE
  - 9 - 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 RATED VOLTAGE AND/OR CURRENTS ARE EXCEEDED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS
  - 10 - LEAD STRAIGHTNESS MAY BE DEGRADATED ON SOME PARTS IN BULK PACKAGING.  
 USE A HALL PACKAGE OPTION FOR LEAD STRAIGHTNESS REDUCTION SHOULD BE REQUIRED.
  - 11 - AMMPACK STYLE T2<sup>2</sup> & T3<sup>2</sup> 24 SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "AN FLD".
  - 12 - AMMPACK STYLE T2<sup>2</sup> & T3<sup>2</sup> 24 SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "AN FLD".

CATALOG LISTING	TAPE STYLE	DIM T1	DIM T2	COMMENTS
SS49E	NDNE	590	100	BULK - 1000/PAG
SS49E-T2	T2	590	100	5000/BOX
SS49E-T3	T3	590	100	5000/BOX
SS49E-L	NDNE	725	100	BULK - 1000/PAG
SS49E-F	NDNE	390	100	BULK - 1000/PAG



PTC/CAD [ ]

DATE: 13 JUN 02

REV: 1

SAV: 3

VK: 3

05: 2

06: 1

07: 1

08: 1

09: 1

10: 1

11: 1

12: 1

13: 1

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THIS DRAWING CONFORMS TO THE REQUIREMENTS OF MIL-STD-883C, METHOD 2000, CLASS 3

ESD SENSITIVE CLASS 3

REVISIONS

DATE: 13 JUN 02

REV: 1

SAV: 3

VK: 3

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100: 1

THIS DRAWING CONFORMS TO THE REQUIREMENTS OF MIL-STD-883C, METHOD 2000, CLASS 3

ESD SENSITIVE CLASS 3

REVISIONS

DATE: 13 JUN 02

REV: 1

SAV: 3

VK: 3

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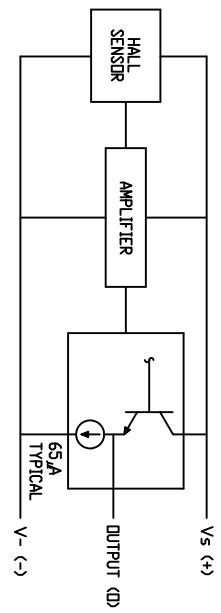
99: 1

100: 1

CHARACTERISTICS ARE AT  $V_s=5.00$  WITH 10K OUTPUT TO MINUS 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	$V_s > 3.0$	1	1.5	10	mA
OUTPUT CURRENT SOURCE					mA
RESPONSE TIME			3		s
OUTPUT VOLTAGE SWING					VOLTS
FROM $V_{DDM} + V_{DDM}$	-B APPLIED	1.05	.95		
	+B APPLIED	$V_s - 1.05$	$V_s - .95$		
B LIMITS FOR LINEAR OPERATION	-B MAX	-6.50	-10.00		GAUSS
	+B MAX	+6.50	+10.00		GAUSS
VOLTA DRIFT	$B = 0, T_A = -40^\circ\text{C}$ TO $+85^\circ\text{C}$	-1.0		+1.0	% / °C
SENSITIVITY DRIFT	$T_A = +25^\circ\text{C}$ TO $+125^\circ\text{C}$	-0.1		+0.5	% / °C
SENSITIVITY DRIFT	$T_A = -40^\circ\text{C}$ TO $+25^\circ\text{C}$	0		+0.6	% / °C
SENSITIVITY DRIFT	$T_A = +125^\circ\text{C}$ TO $+150^\circ\text{C}$	-0.4		+0.8	% / °C
LINEARITY	$B = -6.50$ TO $+6.50$	-7		+7	% OF SPAN
SUPPLY VOLTAGE	$-40^\circ\text{C}$ TO $+100^\circ\text{C}$	2.7	5.0	6.5	VOLTS
OPERATING TEMP		-40		+100	°C

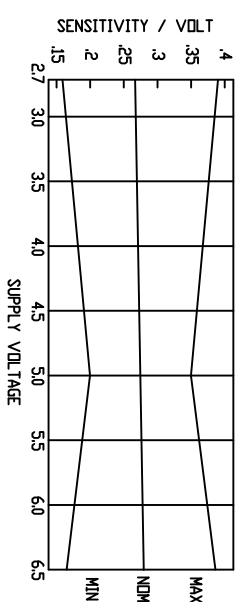
BLOCK DIAGRAM CURRENT SOURCING OUTPUT



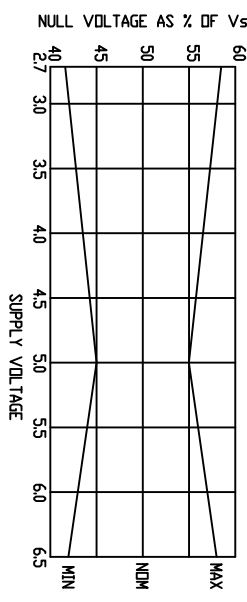
ABSOLUTE MAXIMUM CHARACTERISTICS

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	0	10	mA
TEMPERATURE	$T_A$	OPERATING	-40	100	°C
	$T_S$	STORAGE ( $V_s=0$ )	-55	165	°C

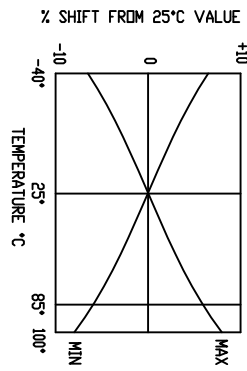
SENSITIVITY/V VERSUS  $V_s$   
(mV/Gauss/Volt)



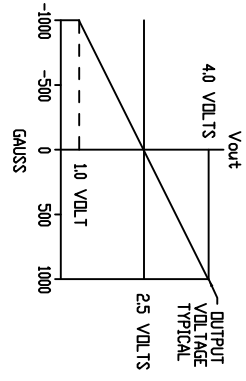
RATIO OF  $V_{null}$  TO  $V_s$



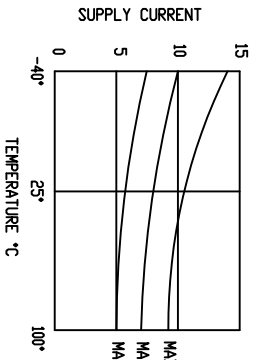
NULL SHIFT VERSUS TEMPERATURE



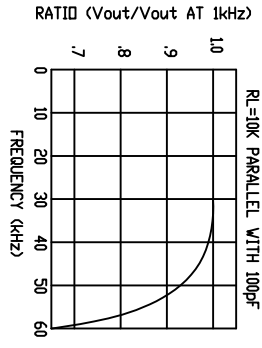
TRANSFER CHARACTERISTICS  
AT  $V_s=5.0$  VDC



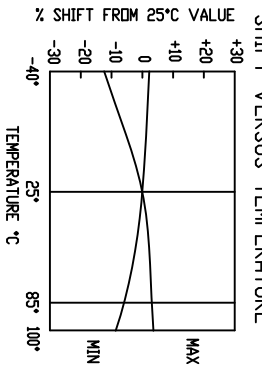
SUPPLY CURRENT  
VERSUS TEMPERATURE



TYPICAL FREQUENCY RESPONSE  
 $R_L=10K$  PARALLEL WITH 100pF



SENSITIVITY  
SHIFT VERSUS TEMPERATURE



ANSI Y14.5M-1982 APPLIES  
TEST SENSITIVITY CLASS 3  
THIS DRAWING CONFORMS TO THE REQUIREMENTS OF MIL-STD-883C, METHOD 2000, CLASS B, TEST METHOD 2000.1, TEST METHOD 2000.2, TEST METHOD 2000.3, TEST METHOD 2000.4, TEST METHOD 2000.5, TEST METHOD 2000.6, TEST METHOD 2000.7, TEST METHOD 2000.8, TEST METHOD 2000.9, TEST METHOD 2000.10, TEST METHOD 2000.11, TEST METHOD 2000.12, TEST METHOD 2000.13, TEST METHOD 2000.14, TEST METHOD 2000.15, TEST METHOD 2000.16, TEST METHOD 2000.17, TEST METHOD 2000.18, TEST METHOD 2000.19, TEST METHOD 2000.20, TEST METHOD 2000.21, TEST METHOD 2000.22, TEST METHOD 2000.23, TEST METHOD 2000.24, TEST METHOD 2000.25, TEST METHOD 2000.26, TEST METHOD 2000.27, TEST METHOD 2000.28, TEST METHOD 2000.29, TEST METHOD 2000.30, TEST METHOD 2000.31, TEST METHOD 2000.32, TEST METHOD 2000.33, TEST METHOD 2000.34, TEST METHOD 2000.35, TEST METHOD 2000.36, TEST METHOD 2000.37, TEST METHOD 2000.38, TEST METHOD 2000.39, TEST METHOD 2000.40, TEST METHOD 2000.41, TEST METHOD 2000.42, TEST METHOD 2000.43, TEST METHOD 2000.44, TEST METHOD 2000.45, TEST METHOD 2000.46, TEST METHOD 2000.47, TEST METHOD 2000.48, TEST METHOD 2000.49, TEST METHOD 2000.50, TEST METHOD 2000.51, TEST METHOD 2000.52, TEST METHOD 2000.53, TEST METHOD 2000.54, TEST METHOD 2000.55, TEST METHOD 2000.56, TEST METHOD 2000.57, TEST METHOD 2000.58, TEST METHOD 2000.59, TEST METHOD 2000.60, TEST METHOD 2000.61, TEST METHOD 2000.62, TEST METHOD 2000.63, TEST METHOD 2000.64, TEST METHOD 2000.65, TEST METHOD 2000.66, TEST METHOD 2000.67, TEST METHOD 2000.68, TEST METHOD 2000.69, TEST METHOD 2000.70, TEST METHOD 2000.71, TEST METHOD 2000.72, TEST METHOD 2000.73, TEST METHOD 2000.74, TEST METHOD 2000.75, TEST METHOD 2000.76, TEST METHOD 2000.77, TEST METHOD 2000.78, TEST METHOD 2000.79, TEST METHOD 2000.80, TEST METHOD 2000.81, TEST METHOD 2000.82, TEST METHOD 2000.83, TEST METHOD 2000.84, TEST METHOD 2000.85, TEST METHOD 2000.86, TEST METHOD 2000.87, TEST METHOD 2000.88, TEST METHOD 2000.89, TEST METHOD 2000.90, TEST METHOD 2000.91, TEST METHOD 2000.92, TEST METHOD 2000.93, TEST METHOD 2000.94, TEST METHOD 2000.95, TEST METHOD 2000.96, TEST METHOD 2000.97, TEST METHOD 2000.98, TEST METHOD 2000.99, TEST METHOD 2000.100

THIS DRAWING IS UNLESS OTHERWISE SPECIFIED IN THE TITLE BLOCK OR IN THE DRAWING ITSELF, THIS DRAWING IS TO BE USED IN THE ASSEMBLY OF THE PRODUCT AND IS NOT TO BE USED FOR THE DESIGN OF OTHER PRODUCTS.  
ONE PLACE (0) +100  
TWO PLACE (00) +100  
THREE PLACE (000) +100  
FOUR PLACE (0000) +100  
ANGLES  
UNLESS OTHERWISE SPECIFIED



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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

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