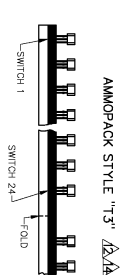
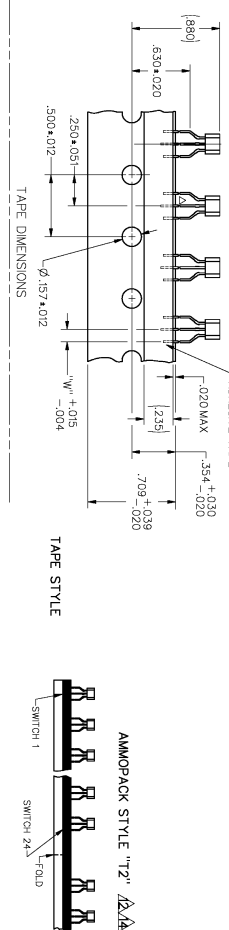
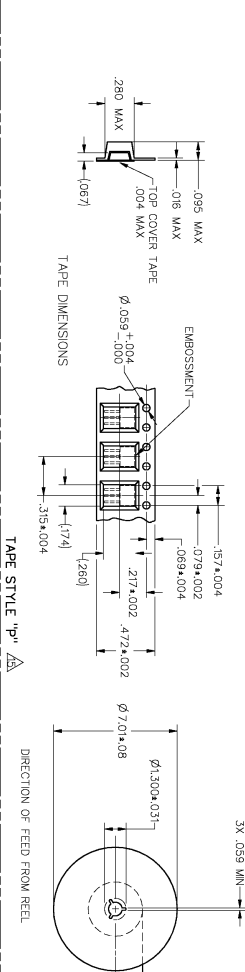


TAPE PACKING OPTIONS

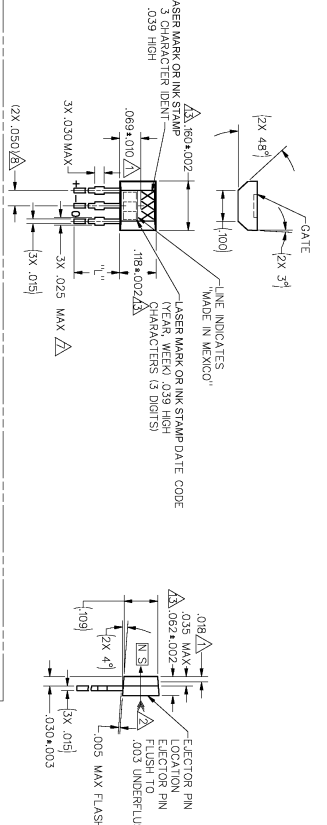


TAPE DIMENSIONS

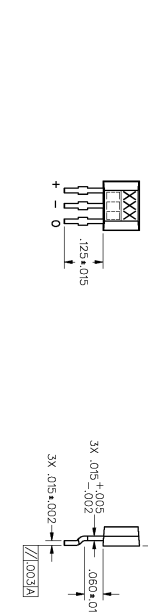


TAPE DIMENSIONS

DIRECTION OF FEED FROM REEL



OPTIONAL SURFACE MOUNT LEAD STYLE



- NOTES
- 1 - CENTERLINE OF HALL CELL
  - 2 - DIMENSION "L" IS IN THE DIRECTION SHOWN. THIS ASSURES THE CONNECTION 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 OVERDRIVE
  - 4 - OUTPUT TYPE - RADIOMETRIC SUPPORTED DURING ANY FORMING/SHEERING OPERATION TO
  - 5 - ASSURE THAT THE LEADS ARE NOT STRESSED WITHIN THE ELASTIC
  - 6 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
  - 7 - BURGERS ARE ALLOWED ONLY A FULL LENGTH OF LEADS WILL PASS THROUGH 0.023 HOLE.
  - 8 - ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THE DEVICE WILL MOMENTARILY WITHSTAND WITHOUT DAMAGE TO THE DEVICE. ELECTRICAL AND MAGNETIC CHARACTERISTICS THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS.
  - 9 - LEAD STRAIGHTNESS MAY BE DETERIORATED ON SOME UNITS BY BULK PACKAGING.
  - 10 - APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION 24 SWITCHES BETWEEN FOLDS, SWP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "AN FOLD"
  - 11 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
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CATALOG LISTING	TAPE STYLE	DIM "L"	DIM "W"	COMMENTS
SS496A	NONE	0.590	0.050	BULK-1000/BAG
SS496A-T2	NONE	0.590	0.050	BULK-1000/BOX
SS496A-T3	NONE	0.590	0.050	BULK-1000/BOX
SS496A-S	P	1.25	0.050	BULK-1000/BAG
SS496A-SP	NONE	1.25	0.050	1000/PACKET TAPE AND REEL
SS496A-T2	NONE	0.590	0.050	BULK-1000/BAG
SS496A-T3	NONE	0.590	0.050	BULK-1000/BOX
SS496A-S	NONE	1.25	0.050	BULK-1000/BAG
SS496A-SP	P	1.25	0.050	1000/PACKET TAPE AND REEL
SS496B	NONE	0.590	0.050	BULK-1000/BAG
SS496B-T2	NONE	0.590	0.050	BULK-1000/BOX
SS496B-T3	NONE	0.590	0.050	BULK-1000/BOX
SS496B-S	NONE	1.25	0.050	BULK-1000/BAG
SS496B-SP	P	1.25	0.050	1000/PACKET TAPE AND REEL

ESD SENSITIVITY  
ELECTROSTATIC DISCHARGE (ESD) SENSITIVITY  
HUMAN BODY MODEL (HBM) 100V  
CHARGES TESTING

THIS DRAWING CONFORMS TO THE REQUIREMENTS OF MIL-STD-883C, METHOD 2000, CLASS B, CATEGORY 1, TEST 1000. THE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

SCALE: 5:1

DATE: 10/10/00

DESIGNED BY: J. A. F. 5/20/99

CHECKED BY: J. A. F. 5/20/99

APPROVED BY: J. A. F. 5/20/99

REVISIONS:

1. 10/10/00

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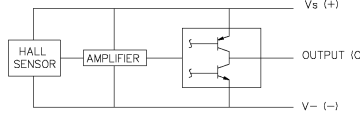
CHARACTERISTICS ARE AT  $V_s=5.00$  WITH 4.7K OUTPUT TO MINUS WITH  $T_A = -40^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$  UNLESS OTHERWISE SPECIFIED

SS496A

SS496 SERIES CHART 1

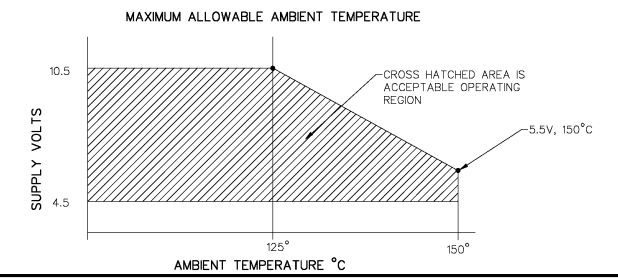
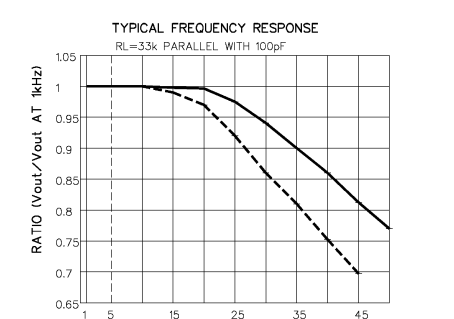
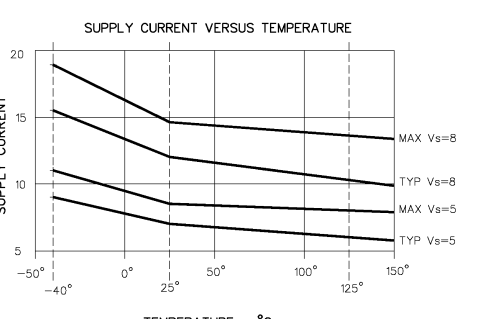
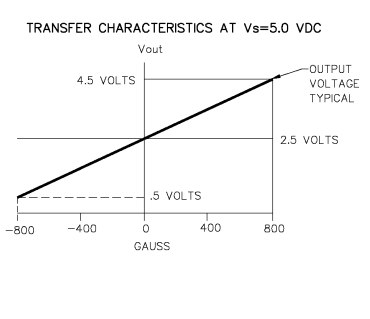
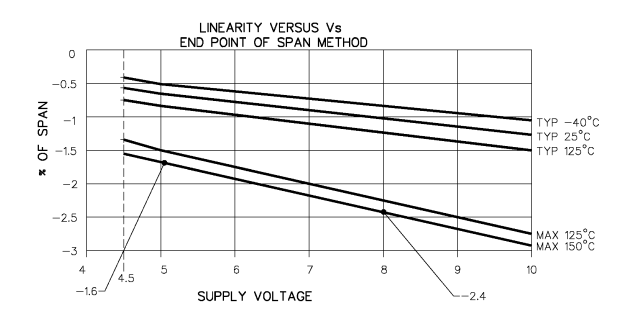
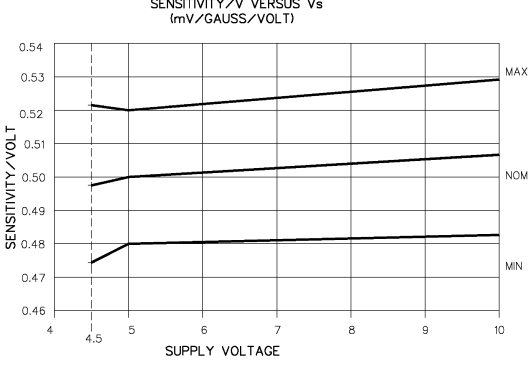
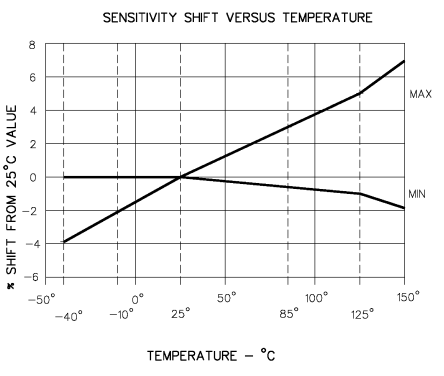
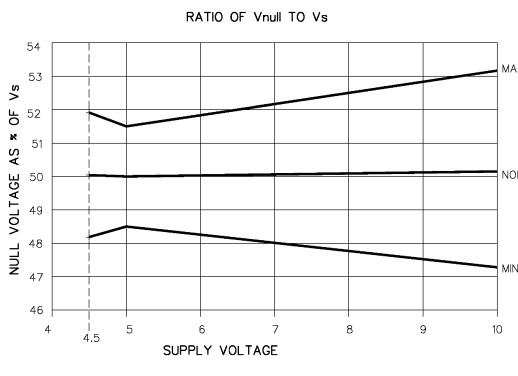
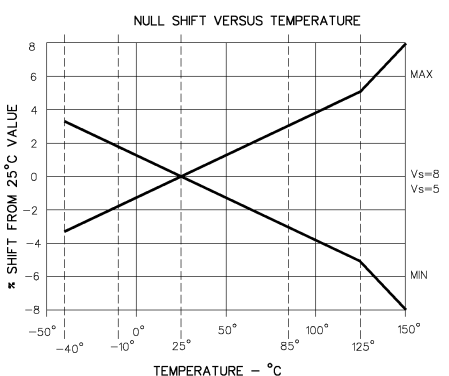
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	2.4	2.5	2.6	mV/GAUSS
NULL	$T_A = 25^{\circ}\text{C}$	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	$T_A = 25^{\circ}\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
OUTPUT CURRENT SINK	$V_s > 4.5$	.6mA	1.5mA		
OUTPUT CURRENT SINK	$V_s > 5.0$	1mA	1.5mA		
RESPONSE TIME			3μs		
OUTPUT VOLTAGE SWING					
VOM -	-B APPLIED	.4	.2		VOLTS
VOM +	+B APPLIED	$V_s - .4$	$V_s - .2$		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-750	-840		GAUSS
	+B MAX	+750	+840		GAUSS
$V_{null}$ DRIFT	$B = 0, T_A = 25^{\circ}\text{C}$ TO $125^{\circ}\text{C}$		-0.048		% / °C
$V_{null}$ DRIFT	$B = 0, T_A = +125^{\circ}\text{C}$ TO $+150^{\circ}\text{C}$		-0.064		% / °C
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$		-0.01		% / °C
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C}$ TO $+25^{\circ}\text{C}$		0		% / °C
LINEARITY	$B = -600$ TO $+600$	0	-1.0		% OF SPAN
SUPPLY VOLTAGE	$-40^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	°C

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



ABSOLUTE MAXIMUM CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	$V_{cc}$		-0.5	11	V
OUTPUT VOLTAGE	$V_{out}$		-0.5	11	V
OUTPUT CURRENT	$I_{out}$	SOURCE OR SINK		10	mA
TEMPERATURE	$T_A$	OPERATING	-55	150	°C
	$T_s$	STORAGE ( $V_{cc}=0$ )	-55	165	°C



CAUTION  
ESD SENSITIVITY  
CLASS 3

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PRO. WPS. 0006 01999  
MICRO SWITCH  
a Honeywell Division

MINIATURE RATIO-METRIC  
LINEAR HALL EFFECT SENSOR  
CATALOG LISTING  
SS496 SERIES CHART 1

THIRD ANGLE PROJECTION  
SCALE NONE  
DO NOT SCALE PRINT  
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE  
ONE PLACE .010 ±.030  
TWO PLACES .001 ±.015  
THREE PLACES .0001 ±.0005  
ANGLES ±2°  
WEIGHT

DRAWING NUMBER: SS496 SERIES CHART 1  
 OF: 10  
 PAGE: 7  
 REVISIONS: 1  
 DATE: 10/1/82  
 BY: J.A. HANSEN  
 CHECKED: J.A. HANSEN  
 APPROVED: J.A. HANSEN  
 TITLE: DESIGN ENGINEER  
 DEPT: MICRO SWITCH  
 DIV: MICRO SWITCH  
 LOC: MILWAUKEE, WIS.  
 MAIL ROOM: 100795-SS

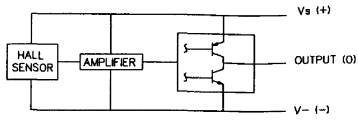


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SS496B

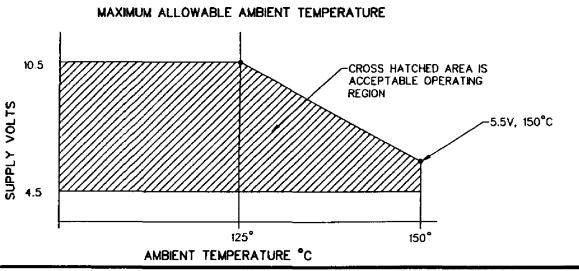
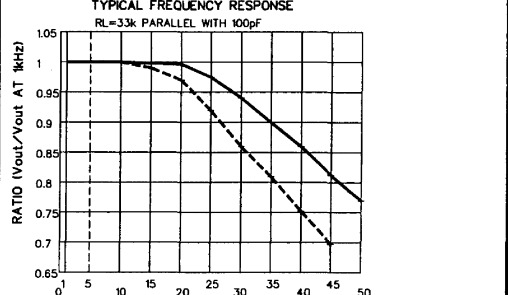
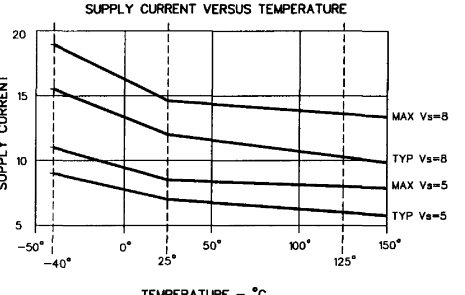
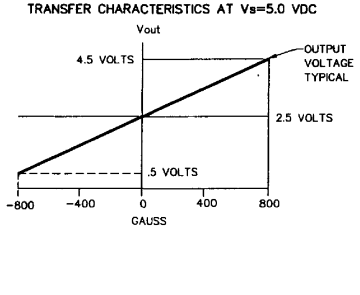
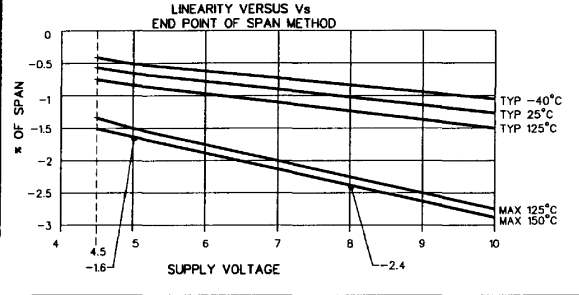
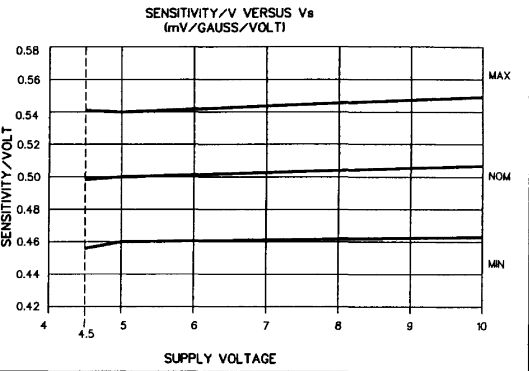
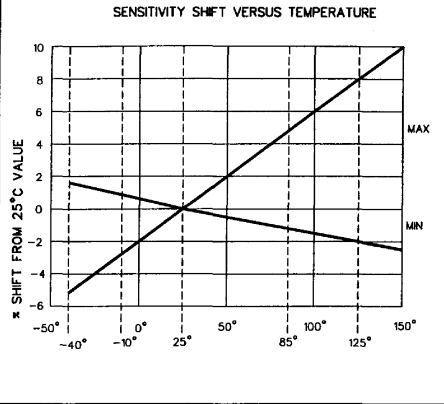
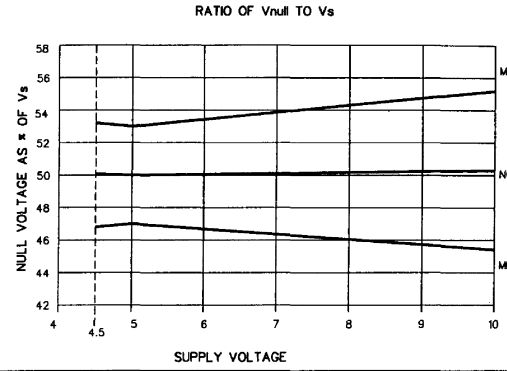
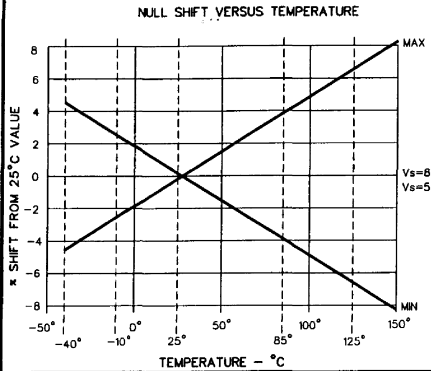
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	$T_A = 25^{\circ}\text{C}$	2.300	2.500	2.700	mV/GAUSS
NULL	$T_A = 25^{\circ}\text{C}$	2.350	2.50	2.650	VOLTS
SUPPLY CURRENT	$T_A = 25^{\circ}\text{C}$		7	8.7	mA
OUTPUT CURRENT SOURCE	$V_s > 4.5$	1mA	1.5mA		
SINK	$V_s > 4.5$	6mA	1.5mA		
SINK	$V_s > 5.0$	1mA	1.5mA		
RESPONSE TIME			3 $\mu$ S		
OUTPUT VOLTAGE SWING					
VOM +	-B APPLIED	.4	.2		VOLTS
VOM -	+B APPLIED	$V_s - .4$	$V_s - .2$		VOLTS
B LIMITS FOR LINEAR OPERATION					GAUSS
-B MAX		-750	-840		
+B MAX		+750	+840		
Vnull DRIFT	$B = 0, T_A = 25^{\circ}\text{ TO } 125^{\circ}\text{C}$	-.064		+ .064	$\mu\text{V}/^{\circ}\text{C}$
Vnull DRIFT	$B = 0, T_A = +125^{\circ}\text{ TO } +150^{\circ}\text{C}$	-.064		+ .064	$\mu\text{V}/^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = +25^{\circ}\text{C TO } +150^{\circ}\text{C}$	-.02		+ .08	$\mu\text{V}/^{\circ}\text{C}$
SENSITIVITY DRIFT	$T_A = -40^{\circ}\text{C TO } +25^{\circ}\text{C}$	-.02		+ .08	$\mu\text{V}/^{\circ}\text{C}$
LINEARITY	$B = -600 \text{ TO } +600$	0	-1.0	-1.5	% OF SPAN
SUPPLY VOLTAGE	$-40^{\circ}\text{C TO } +125^{\circ}\text{C}$	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	$^{\circ}\text{C}$

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



ABSOLUTE MAXIMUM CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	$V_{cc}$		-0.5	11	V
OUTPUT VOLTAGE	$V_{out}$		-0.5	11	V
OUTPUT CURRENT	$I_{out}$	SOURCE OR SINK		10	mA
TEMPERATURE	$T_A$	OPERATING	-55	150	$^{\circ}\text{C}$
	$T_s$	STORAGE ( $V_{cc}=0$ )	-55	165	$^{\circ}\text{C}$



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FIG. NO. 0000 0100  
**MICRO SWITCH**  
 a Honeywell Division

MINIATURE RATIO-METRIC  
 SS496 SERIES CHART 1  
 CATALOG LISTING

THIRD ANGLE PROJECTION	
SCALE	NONE
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) ±0.030
TWO PLACES	(.00) ±0.015
THREE PLACES	(.000) ±0.005
ANGLES	±2°
WEIGHT	

MICRO SWITCH  
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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- 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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