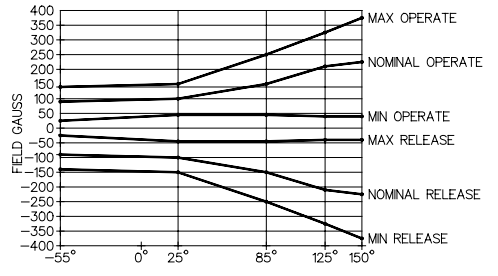


MAGNETIC CHARACTERISTICS / 2			
TEMPERATURE RANGE	0°C TO +85°C	-40°C TO +125°C	-55°C TO +150°C
OPERATING GAUSS MAXIMUM	250	325	375
OPERATING GAUSS MINIMUM	40	25	25
RELEASE GAUSS MINIMUM	-250	-325	-375
RELEASE GAUSS MAXIMUM	-40	-25	-25

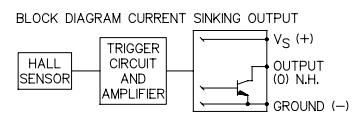
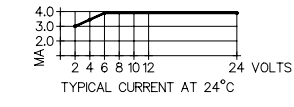
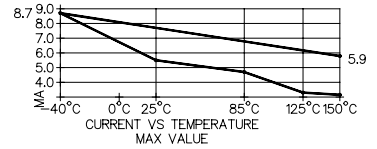
ELECTRICAL CHARACTERISTICS -40 TO 125°C 4.5 TO 24 VDC -55°C TO 150°C			
	MAX AT 25°C	MAXIMUM	MAXIMUM
SUPPLY CURRENT		8.7 mA	9.0 mA
OUTPUT VOLTAGE (ON) (SINKING 10 mA)		.4 VOLTS / 8	.4 VOLTS
VOLTAGE APPLIED TO OUTPUT (OFF)		24 VOLTS	24 VOLTS
OUTPUT CURRENT		10 mA	10 mA
OUTPUT LEAKAGE CURRENT (OFF)		10 μA	10 μA
OUTPUT SWITCHING TIME			
RISE TIME (10% TO 90%)		1.5 μS	1.5 μS
FALL TIME (90% TO 10%)		1.5 μS	1.5 μS

ABSOLUTE MAXIMUM RATINGS / 3	
TEMPERATURE	-55°C TO +170°C
SUPPLY VOLTAGE	-28 VDC TO 28 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	28 VDC WITH SWITCH IN OFF COND. ONLY
APPLIED TO OUTPUT	-0.5 VDC WITH SWITCH IN ON OR OFF COND.
OUTPUT CURRENT	20 mA
MAGNETIC FLUX	NO LIMIT

- NOTES**
- 1 - THE MAGNETIC FLUX USED TO OPERATE THE SWITCH MUST BE IN THE DIRECTION AND LOCATION 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)
 - 2 - 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
 - 3 - ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THAT THE DEVICE WILL WITHSTAND WITHOUT DAMAGE TO THE DEVICE. HOWEVER, THE ELECTRICAL AND MAGNETIC CHARACTERISTICS ARE NOT GUARANTEED AS THE MAXIMUM LIMITS ABOVE RECOMMENDED OPERATING CONDITIONS) ARE APPROACHED, NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATING
 - 4 - DIMENSIONS NOTED ARE DUE TO TIE BAR REMOVAL OPERATION AND ARE VALID ONLY IN THE BAR AREA LOCATED WITHIN .080 DIMENSION
 - 5 - HALL EFFECT LOCATION WITH INTEGRATED CIRCUIT PLACEMENT TOLERANCE
 - 6 - LEADS MUST BE ADEQUATELY SUPPORTED DURING ANY FORMING/SHEARING OPERATION TO ENSURE THAT THE LEADS ARE NOT STRESSED INSIDE THE PLASTIC
 - 7 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
 - 250°C TO 260° SOLDERING TEMPERATURE, 3 SECONDS MAXIMUM SOLDERING TIME
 - 8 - BURRS ARE ALLOWED ONLY IF FULL LENGTH OF LEADS WILL PASS THROUGH Ø.023 HOLE.
 - 9 - LEAD REFERENCE DIMENSIONS DO NOT INCLUDE SOLDER THICKNESS
 - 10 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THEY EXIT THE PLASTIC PACKAGE
 - 11 - MOLDED PART DIMENSIONS DO NOT INCLUDE FLASH. FLASH IS LIMITED TO .005 MAX



		DATA POINTS					
		-55°	25°	85°	125°	150°	
OPERATE	MAX	140	150	250	325	375	
	NOM	90	100	150	210	225	
	MIN	25	45	45	40	40	
RELEASE	MAX	-25	-45	-45	-40	-40	
	NOM	-90	-100	-150	-210	-225	
	MIN	-140	-150	-250	-325	-375	



THIRD ANGLE PROJECTION

SCALE 5 : 1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE (.0)	±.030
TWO PLACES (.00)	±.015
THREE PLACES (.000)	±.005
ANGLES	±

WEIGHT

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SOLID STATE SWITCH

CATALOG LISTING
SS46

ANSI Y14.5M-1982 APPLIES

FD - 500, CODE 9129

SS46
 DRAWING NUMBER
 PAGE 1 OF 1
 RELEASE NO. DR-3687
 REVISIONS
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 DATE
 BY
 CHECKED
 APPROVED
 J.A. STERNOWSKI
 K.A. GILMAN
 W. J. HANZL
 7 1987
 DEN/CAD
 DRAWN