



- (ABOVE RECOMMENDED OPERATING CONDITIONS) ARE APPROACHED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATING THE MAGNETIC CHARACTERISTICS OF THE SWITCH MAY BE AFFECTED BY STRAY MAGNETIC FIELDS A FOR REFERENCE ONLY
- PROTECTIVE HARD OVERCOAT SOLDER TERMINALS USING 60/40 ROSIN CORE SOLDER EMPLOYING A 750°F CONTROLLED TEMPERATURE 1/8 INCH CHISEL TIP SOLDERING IRON. CAUTION: THE SOLDER TIP SHOULD NEVER BE HELD ON THE TERMINAL FOR OVER 4 SECONDS IN ORDER TO AVOID DELAMINATION OF THE TERMINALS FROM THE CERAMIC
- 丕

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

- THE SWITCH MUST BE PLACED IN A HELMHOLTZ COIL FIELD AND GIVEN THE FOLLOWING HISTORY: 35 GAUSS MINIMUM IN DIRECTION "A"; 35 GAUSS MINIMUM IN DIRECTION "B", TEST TO THE OPERATING CHARACTERISTICS IN DIRECTION "B" (TFIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF A MAGNET) THE SWITCH WILL OPERATE WITH THE FLUX FROM EITHER POLE OF A MAGNET WHEN APPLIED IN THE DIRECTION AND LOCATION SHOWN AT SUPPLY VOLTAGE OF 5 VDC AND OVER THE TEMPERATURE RANGE SPECIFIED AT 249 + 29 C AND 5 VDC+0 59 SUPPLY VOLTAGE <u>∕2</u>∖ AT 24° ± 2° C, AND 5 VDC±0.5% SUPPLY VOLTAGE INTEGRATED CIRCUIT PLACEMENT TOLERANCE



1 TO TEST THE SWITCH AGAINST THE SPECIFIED OPERATING CHARACTERISTICS THE SWITCH MUST BE PLACED IN A HELMHOLTZ COIL FIELD AND GIVEN THE

29

8

PR-21916

NOTES

⌀

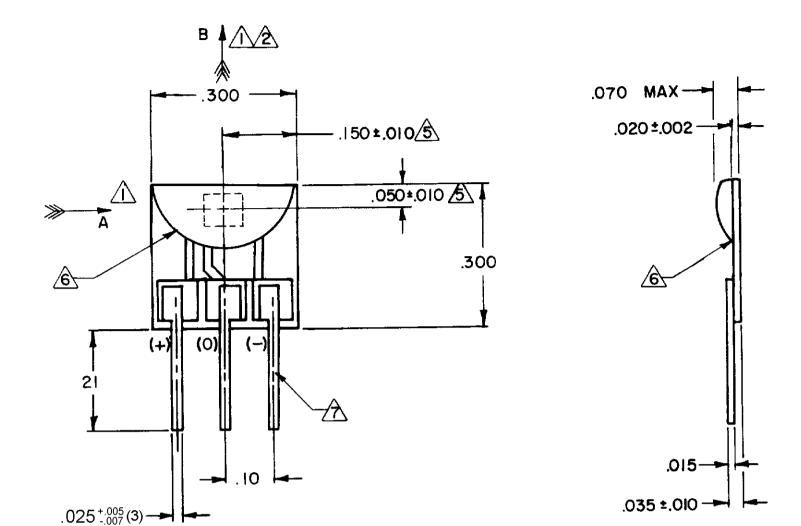
SS21PE

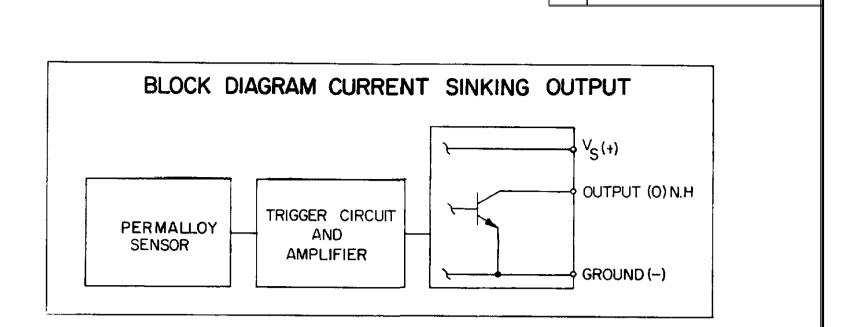
A <u>60-</u> <u>55704</u> <u>13 MAR 00</u> B 0038691

VS 14APR08

DLM 13 MAR

FORMTEK





M

SS21PE

MAGNETIC CHARACTERISTICS 1/3/9							
TEMPERATURE RANGE	-20°C TO 85°C∕10	25°C					
	MAX MIN	MAX MIN					
OPERATE GAUSS	25 9	25 9					
RELEASE GAUSS	23 5	23 5					
DIFFERENTIAL GAUSS	7 2	7 2					

ABSOLUTE MAXIMUM RATING

SUPPLY VOLTAGE (VS)	4.5 TO 5.5 VOLTS DC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	+20.0 VDC MAX WITH SWITCH IN "OFF" CONDITION ONLY -0.5 VOLTS MIN WITH SWITCH IN "OFF" OR "ON' CONDITION
OUTPUT CURRENT	20 mA
TEMPERATURE	-20°C TO 85°C
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	ТҮР	MAX	REMARKS
SUPPLY CURRENT (WITHOUT LOAD)		2.5 mA	10.0 mA 5.5 mA	MAX (OPERATED) MAX (RELEASED)
OUTPUT VOLTAGE		0.25V	6.40V	SINKING 20 mA MAX
OUTPUT LEAKAGE 3 CURRENT (RELEASED)			10 MA	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING 3 TIME (SINKING 8 mA)				
RISE TIME		0.2 M S	1.5 MS	10% TO 90%
FALL TIME		0.1 µ S	0.5 U S	90% TO 10%

					THIRD ANGLE F	PROJECTION
					SCALE NONE	
					DO NOT SCA	LE PRINT
					UNLESS OTHERWIS TOLERANCE	
COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH. A DIVISION OF IS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.			ONE PLACE (.	0) ±.030		
				CATALOG LISTING	TWO PLACES (.(00) ±.015
TCH				SS21PE	THREE PLACES (.(200) ±.005
Division	SOLID	STATE	SWITCH	332112	ANGLES	±
91929					WEIGHT	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Honeywell: SS21PE