

SSCHS2500 SSCHS5000 SSCHS7500 SSCHS10000 SSCHS12500 SSCHS15000

TECHNICAL DATA DATA SHEET 1027, REV. -

# HIGH VOLTAGE RECTIFIER STACKS

**DESCRIPTION:** A 2500/5000/7500/10000/12500/15000 VOLT, 2.0 AMP, 2500 NANOSECOND, HIGH VOLTAGE RECTIFIER.

### **MAXIMUM RATINGS**

ALL RATINGS ARE AT  $T_A = 25$  C) UNLESS OTHERWISE SPECIFIED

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)			
SSCHS2500	PIV	2500	Volts
SSCHS5000		5000	
SSCHS7500		7500	
SSCHS10000		10000	
SSCHS12500		12500	
SSCHS15000		15000	
MAXIMUM AVERAGE DC OUTPUT CURRENT (Tc = 55 °C)	lo	2.0	Amps
(When operating in oil, the output current capabilities are doubled.)			
MAXIMUM AVERAGE DC OUTPUT CURRENT (T <sub>C</sub> = 100 °C)	lo	1.2	Amps
PEAK SINGLE CYCLE SURGE CURRENT t <sub>p</sub> = 8.3 msec.	I <sub>PK</sub>	80	Amps
MAXIMUM OPERATING TEMPERATURE RANGE	-	-55 to +150	°C

## **ELECTRICAL CHARACTRISTICS**

CHARACTRISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) (I <sub>f</sub> = 2.0 Amps)			
SSCHS2500	V <sub>f</sub>	4.00	Volts
SSCHS5000		7.50	
SSCHS7500		10.00	
SSCHS10000		12.00	
SSCHS12500		15.05	
SSCHS15000		18.50	
MAXIMUM REVERSE CURRENT @ PIV (T <sub>A</sub> = 25°C)	I <sub>rr</sub>	1.0	μΑ
MAXIMUM REVERSE CURRENT @ PIV (T <sub>A</sub> = 100°C)	Irr	125	μΑ
MAXIMUM REVERSE RECOVERY TIME ( $I_f = 0.5A$ , $I_r = 1.0A$ , $I_{rr} = 0.25A$ )	t <sub>rr</sub>	2500	nsec

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### **MECHANICAL DIMENSIONS: In Inches / mm**

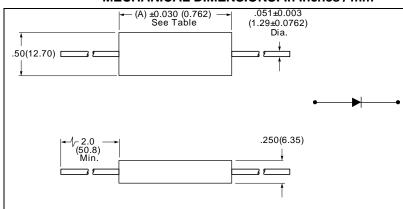


FIG. 418

\* Case Material: Molded Epoxy

Table A

Type Number	Package Length
SSCHS2500	1.53
SSCHS5000	2.53
SSCHS7500	3.53
SSCHS10000	4.53
SSCHS12500	5.53
SSCHS15000	6.63

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