

HIGH VOLTAGE RECTIFIER STACKS

DESCRIPTION: A 5000/75000/10000/12500/15000/20000/25000 VOLT, 0.5 AMP, 5000 NANOSECOND, HIGH VOLTAGE RECTIFIER.

MAX RATINGS/ELECTRICAL CHARACTERISTIC ALL RATINGS ARE AT $T_A = 25\text{ C}$ UNLESS OTHERWISE SPECIFIED

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG) SCH5000 SCH7500 SCH10000 SCH12500 SCH15000 SCH20000 SCH25000	PIV	5000 75000 10000 12500 15000 20000 25000	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) ($I_f = 0.5\text{ Amps}$) SCH5000 SCH7500 SCH10000 SCH12500 SCH15000 SCH20000 SCH25000	V_f	7.0 10 14 17 20 27 33	Volts
MAXIMUM AVERAGE DC OUTPUT CURRENT ($T_C = 55\text{ }^\circ\text{C}$) When operating in oil, the output current capabilities are doubled.	I_o	0.5	Amps
MAXIMUM AVERAGE DC OUTPUT CURRENT ($T_C = 100\text{ }^\circ\text{C}$)	I_o	0.33	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3\text{ msec.}$	I_{PK}	50	Amps
MAXIMUM REVERSE CURRENT @ PIV ($T_A = 25\text{ }^\circ\text{C}$)	I_{rr}	0.1	μA
MAXIMUM REVERSE CURRENT @ PIV ($T_A = 100\text{ }^\circ\text{C}$)	I_{rr}	15	μA
MAXIMUM REVERSE RECOVERY TIME ($I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$)	t_{rr}	5000	nsec
MAXIMUM OPERATING TEMPERATURE RANGE	-	-55 to +150	$^\circ\text{C}$

SENSITRON
TECHNICAL DATA
DATA SHEET 1001, REV. -

MECHANICAL DIMENSIONS: In Inches / mm

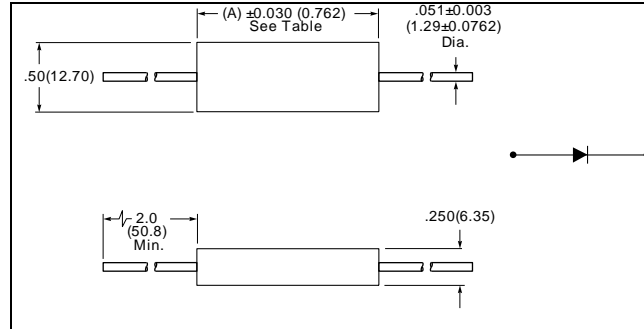


FIG. 418

* Case Material: Molded Epoxy

Table A

Type Number	Package Length
SCH5000	1.145
SCH7500	1.625
SCH10000	2.000
SCH12500	2.375
SCH15000	2.750
SCH20000	3.500
SCH25000	4.250

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