

TECHNICAL DATA
DATA SHEET 603, REV. -

HIGH VOLTAGE RECTIFIER STACKS

DESCRIPTION: A 4000/6000/8000/10000/11000/15000/20000 VOLT, 0.25 AMP, 70 NANOSECOND, HIGH VOLTAGE RECTIFIERS.

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) SSCHE4000 SSCHE6000 SSCHE8000 SSCHE10000 SSCHE11000 SSCHE15000 SSCHE20000	PIV	4000 6000 8000 10000 11000 15000 20000	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) ($I_f = 0.2\text{ Amps}$) SSCHE4000 SSCHE6000 SSCHE8000 SSCHE10000 SSCHE11000 SSCHE15000 SSCHE20000	V_f	10 15 20 25 30 40 50	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	0.25	Amps
MAXIMUM AVERAGE DC OUTPUT CURRENT ($T_C = 100\text{ }^\circ\text{C}$)	I_o	0.13	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3\text{ msec.}$	I_{PK}	20	Amps
MAXIMUM REVERSE CURRENT @ PIV ($T_A = 25^\circ\text{C}$)	I_{rr}	10	μA
MAXIMUM REVERSE CURRENT @ PIV ($T_A = 100^\circ\text{C}$)	I_{rr}	100	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}	70	nsec
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	$T_{op, stg}$	-55 to +150	$^\circ\text{C}$

SENSITRON

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MECHANICAL DIMENSIONS: In Inches / mm

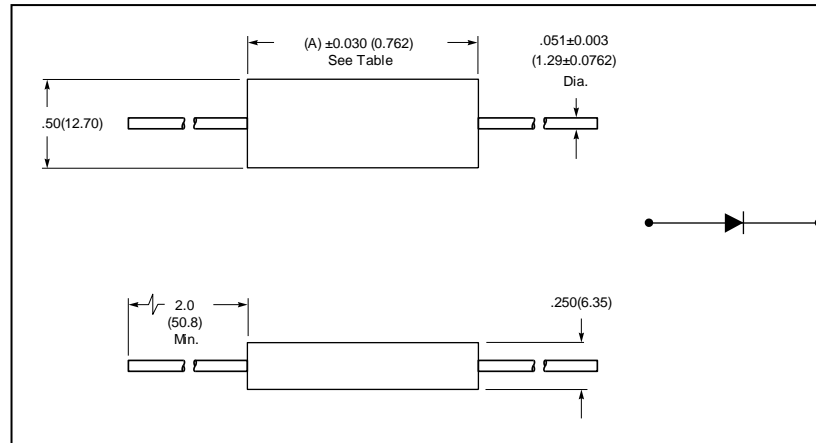


FIG. 418

* Case Material: Molded Epoxy

Table A

Type Number	Package Length
SSCHE4000	1.125
SSCHE6000	1.625
SSCHE8000	2.000
SSCHE10000	2.375
SSCHE11000	2.750
SSCHE15000	3.500
SSCHE20000	4.250

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