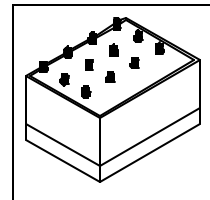


# **SENSITRON** **SEMICONDUCTOR**

**TECHNICAL DATA**

PART NUMBER: SEN-3698, REV. E

ATP, ATR is according to document no. 5002M408-001



## **HIGH VOLTAGE MULTIPLIER, FAST RECOVERY**

**DESCRIPTION: 10000 VOLT, 0.5 AMP, 70 NANOSECOND HIGH VOLTAGE MULTIPLIER.****MAX. RATINGS / ELECTRICAL CHARACTERISTICS**All ratings are at  $T_A = 25^\circ\text{C}$  unless otherwise

specified.

<b>RATING</b>	<b>CONDITIONS</b>	<b>MIN</b>	<b>TYP</b>	<b>MAX</b>	<b>UNIT</b>
Total Output Voltage	-	-	-	10000	Vdc
Inputs 1-4	@ 250kHz	-	-	2000	$V_{pp}$
Inputs 5 & 6	@ 250kHz	-	-	2200	$V_{pp}$
Output 1	4000	-	-	-10	kVdc
Output 23, 3	2000	-	-	-6	kVdc
Output 4, 45	4000	-	-	-4	kVdc
Output 6	-	-	-	0	V
Maximum Altitude	(TBD)	-	-	70000	Ft
Storage Temp. ( $T_{stg}$ )	-	-40	-	+100	$^\circ\text{C}$
Operating Junction Temp. ( $T_{jop}$ )	-	-40	-	+125	$^\circ\text{C}$
Case Operating Temp. ( $T_{op}$ )	-	-40	-	+100	$^\circ\text{C}$
Reverse Recovery Time (per diode) ( $t_{rr}$ )	$I_f = 0.5\text{A}$ , $I_r = 1.0\text{A}$ , $I_{rr} = 0.25\text{A}$	-	-	70	nsec
Thermal Resistance ( $\theta_{JL}$ )	-	-	-	5.0	$^\circ\text{C}/\text{W}$
Terminal to Case Capacitance ( $C_T$ )	$\pm 10\%$	-	-	10	pF

SENSITRON

TECHNICAL DATA

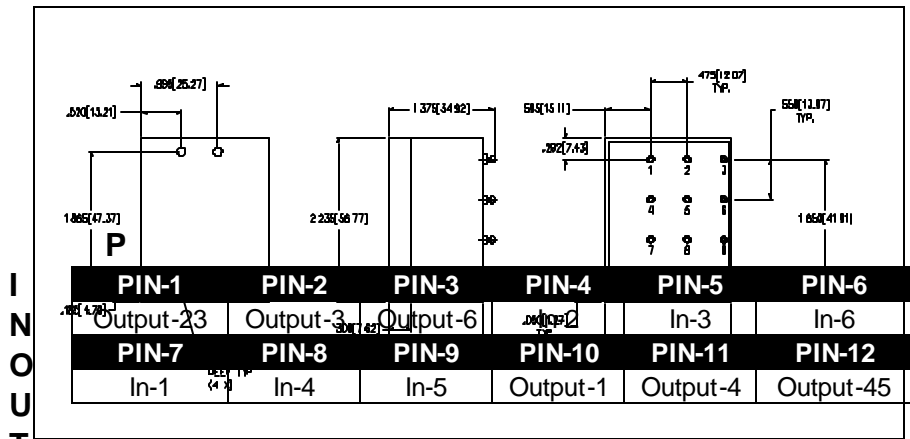
PART NUMBER: SEN-3698, REV. E

CAPACITANCE VALUES

CAPACITOR	TOLORANCE, VOLTAGE		CAP.		UNIT
C1, C2	±10%, 2kV	-	80	-	nF
C3, C4	±10%, 3kV	-	80	-	nF
C5	±10%, 2kV	-	33	-	nF
C6	±10%, 3kV	-	33	-	nF
C7, C8	±10%, 2kV	-	10	-	nF
C9, C10	±10%, 4kV	-	10	-	nF

MECHANICAL DIMENSIONS: In Inches / mm

Note: Case finish - Black Anodized



TABLE

**TECHNICAL DATA**

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