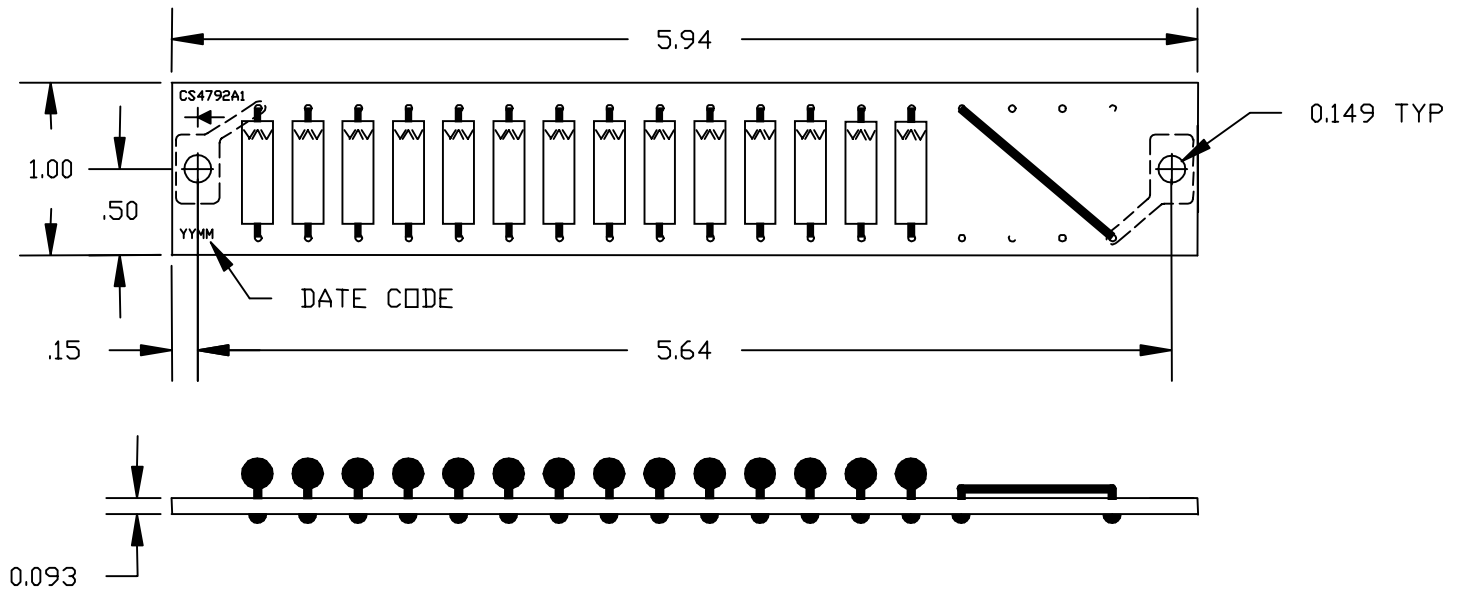


# CS4792A1

## 150 KV RECTIFIER

Maximum Ratings at $T_{oil} = 25^{\circ}\text{C}$ Unless Otherwise Noted	Symbol	CS4792A1	Units
Number of Diodes per Board		14	
Peak Reverse Voltage - Operating	$V_R$ (Oper)	150	KV
Peak Reverse Voltage - Test	$V_R$ (Test)	188	KV
Maximum Reverse Current @ $V_R$ (Oper), $25^{\circ}\text{C}$	$I_{rm}$	1	$\mu\text{A}$
DC Forward Current @ $T_{oil} = 60^{\circ}\text{C}$	$I_o$	300	mA
Maximum Forward Voltage @ $I_F = 50$ mA	$V_{fm}$	168	Volts
Peak Surge Current, 1/2 cycle @ 60 Hz	$I_{fsm}$	20	Amps
Peak Surge Current, 10 cycles @ 60 Hz	$I_{fsm}$	6	Amps
Avalanche Energy, 100 $\mu\text{Sec}$ Pulse	$E_{rsm}$	4.2	Joules
Operating Temperature Range	$T_{oil}$	-40 to +90	$^{\circ}\text{C}$
Storage Temperature Range	$T_{stg}$	-40 to +120	$^{\circ}\text{C}$



Dimensions in Inches  $\pm 0.050$

Rev 2, 7/98



**HIGH VOLTAGE**  
POWER SYSTEMS, INC.

2542 Highlander Way • Carrollton, TX 75006  
Ph (972) 248-7691 • Fax (972) 381-9998