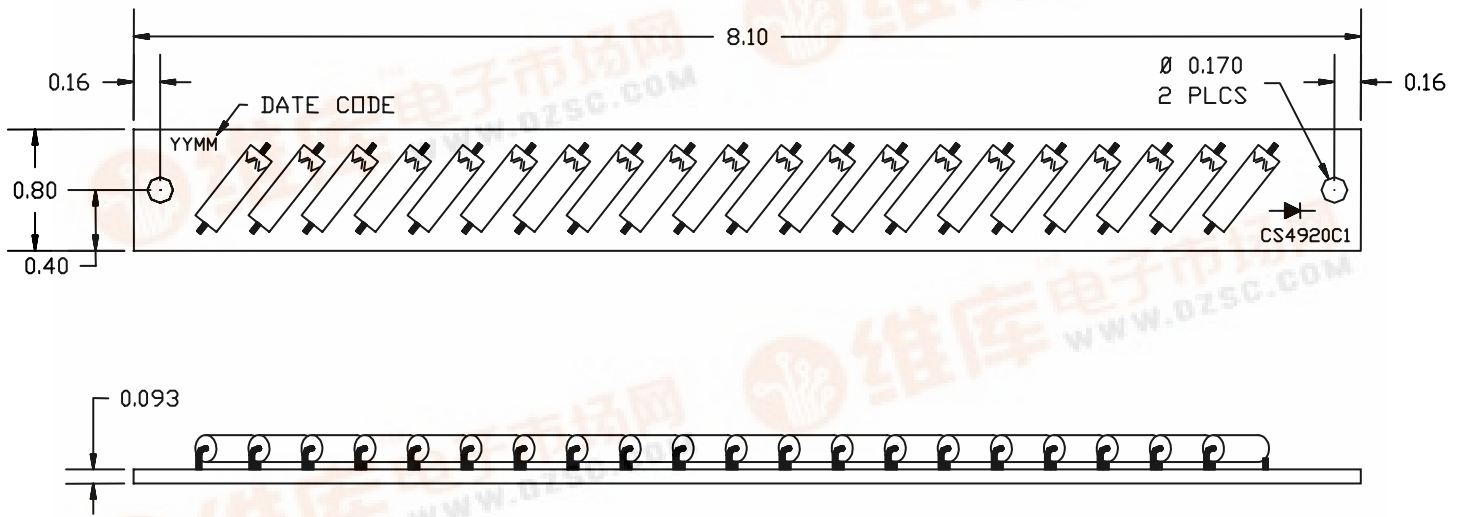


# CS4920C1 200 KV RECTIFIER

Maximum Ratings at $T_{oil} = 25^{\circ}\text{C}$ Unless Otherwise Noted	Symbol	CS4920C1	Units
Number of Diodes per Board		20	
Peak Reverse Voltage - Operating	$V_R$ (Oper)	200	kV
Peak Reverse Voltage - Test	$V_R$ (Test)	250	kV
Maximum Reverse Current @ $V_R$ (Oper), $25^{\circ}\text{C}$	$I_{rm}$	1	$\mu\text{A}$
DC Forward Current @ $T_{oil} = 60^{\circ}\text{C}$	$I_o$	340	mA
Maximum Forward Voltage @ $I_F = 50$ mA	$V_{fm}$	240	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	$E_{rsm}$	6.0	Joules
Operating Temperature Range	$T_{oil}$	-40 to +90	$^{\circ}\text{C}$
Storage Temperature Range	$T_{stg}$	-40 to +120	$^{\circ}\text{C}$



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