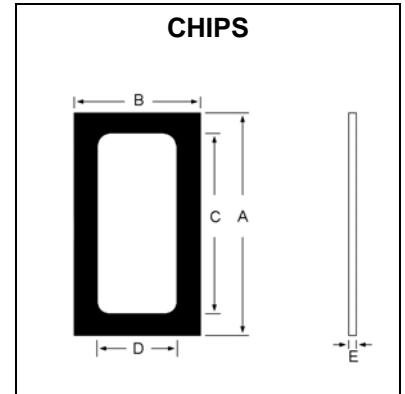


SCHOTTKY RECTIFIER 8A/90V

CHIP STRUCTURE

- * Dimensions(AxB): 140x71 mil²
- * Bond pad size:
Active region (CxD): 136x68 mil²
- * Thickness(E): 12.5 +/- 0.5 mils
- * Contact Metallization
Top metal: Aluminum (AL)
Back metal: Silver (Ag)



MAXIMUM RATINGS

Characteristic	Symbol	S08A90	Unit
Peak repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	90	V
RMS Reverse Voltage	$V_{R(RMS)}$	63	V
Average Rectifier Forward Current	$I_{F(AV)}$	8	A
Operating Junction Temperature	T_j	150	°C
Storage Temperature	T_{stg}	-65 to +150	°C

ELECTRICAL CHARACTERISTICS ($T_C=25^\circ\text{C}$ unless otherwise notes)

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Maximum Instantaneous Forward Voltage ($I_F = 8A$)	V_F			0.85	V
Maximum Instantaneous Reverse Current (Rated DC Voltage)	I_R			0.2	mA

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