



Shanghai Lunsure Electronic
Technology Co.,LTD
Tel:0086-21-37185008
Fax:0086-21-57152769

BSOZAA50L

Features

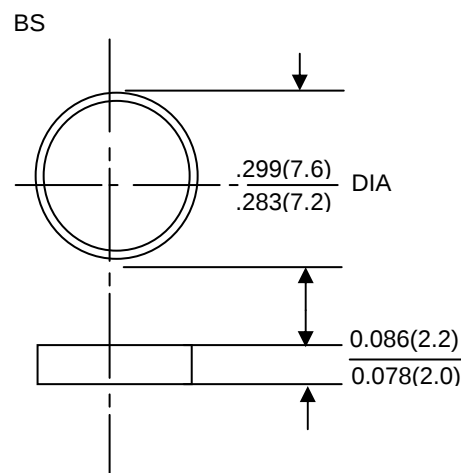
High power capability
Economical
Avalanche voltage: 20 to 24 volts

BIG SOZA CELL

**AVALANCHE VOLTAGE
20 TO 24 VOLTS
CURRENT 50AMPS**

Mechanical Data

Copper slug
Technology: cell with vacuum soldered
Polarity: colour dots denotes cathode end
Mounting Position: Any
Weight: 0.7 grams



Dimensions in inches and millimeters

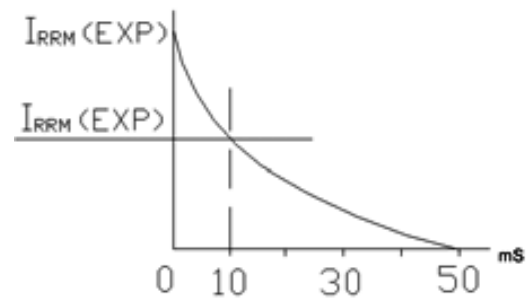
Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified
Single phase, half wave, 60Hz, resistive or inductive load
For capacitive load derate current by 20%

Parameters	Symbols	Min.	Nominal	Max.	Units
Peak repetitive reverse voltage	V_{RRM}		17		Volts
Working peak reverse voltage	V_{RWM}		17		
DC blocking voltage	V_{DC}		17		
Average rectified forward current at $T_c=125^\circ\text{C}$	I_o		50		Amps
Repetitive peak reverse surge current $T_c=10\text{msec}$ duty cycle <1%	I_{RSM}		50		Amps
Breakdown voltage (V_{BR} @ $I_R=100\text{mA}$, $T_c=25^\circ\text{C}$)	V_{BR1}	20	22	24	Volts
$I_R=90\text{Amps}$, $T_c=150^\circ\text{C}$, $PW=80\mu\text{sec}$	V_{BR2}			32	
Forward voltage drop (V_{FWB}) @ $I_F=100\text{Amps}$ < 300sec	V_F	0.97	1.0	1.02	Volts
Peak forward surge current	I_{FSM}		600		Amps
Reverse leakage ($V_R=17V_{DC}$) $T_c=25^\circ\text{C}$	I_R	0.2	1.0	2.0	μA
Operating and storage junction temperature range	T_J, T_{STG}		-65 to +175		$^\circ\text{C}$

Notes: 1.Enough heatsink must be considered in application.

BSOZAA50L



Surge current characteristics