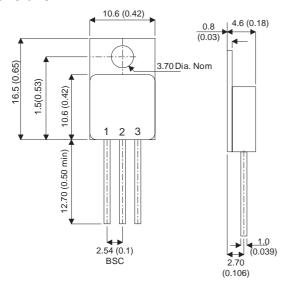


SB08-100M SB08-100AM SB08-100RM

MECHANICAL DATA

Dimensions in mm



TO220 (TO-257AB) METAL PACKAGE

Common Cathode Common Anode

ELECTRICAL CONNECTIONS

SB08-100M **SB08-100AM SB08-100RM**

1 = A ₁ Anode 1
2 = K Cathode
3 = A ₂ Anode 2

1 = K₁ Cathode 1



Series Connection

- 2	2 = A	Anode	
;	3 = K ₂	Cathode	2

3 = A ₂ Anode)
--------------------------	---

DUAL SCHOTTKY BARRIER DIODE IN TO220 METAL PACKAGE FOR HI-REL APPLICATIONS

FEATURES

- HERMETIC TO220 METAL PACKAGE
- SCREENING OPTIONS AVAILABLE
- OUTPUT CURRENT 16A(8A per leg)
- LOW V_F
- LOW LEAKAGE
- ISOLATED CASE

ABSOLU	JTE MAXIMUM RATINGS (T _{case} = 25°C unless otherwise stated)	SB08 - 100M SB08 - 100AM SB08 - 100RM
V_{RRM}	Peak Repetitive Reverse Voltage	100V
V_{RSM}	Peak Non-Repetitive Reverse Voltage	100V
V_{R}	Continuous Reverse Voltage	100V
I _O	Output Current	8A
I_{FSM}	Peak Non-Repetitive Surge Current (50Hz)	275A
T_{STG}	Storage Temperature Range	-55°C to 175°C
TJ	Maximum Operating Junction Temperature	175°C

Semelab PIc reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by Semelab is believed to be both accurate and reliable at the time of going to press. However Semelab assumes no responsibility for any errors or omissions discovered in its use. Semelab encourages customers to verify that datasheets are current before placing orders.

E-mail: sales@semelab.co.uk

Semelab plc. Telephone +44(0)1455 556565. Fax +44(0)1455 552612.

Website: http://www.semelab.co.uk



SB08-100M SB08-100AM SB08-100RM

ELECTRICAL CHARACTERISTICS (Per Diode) T_{CASE} = 25°C unless otherwise stated

Parameter		Test Conditions		Min.	Тур.	Мах.	Unit
V _{FM} Max For	May Farward Valtage (per diade)	I _F = 8A*	T _J = 25°C			0.75	V
		I _F = 16A*	T _J = 25°C			0.95	
	Max Forward Voltage (per diode)	I _F = 8A*	T _J = 125°C			0.60	
		I _F = 16A*	T _J = 125°C			0.75	
I _{RM} Reverse Current (per diode)	Payaraa Current (par diada)	$V_R = V_{RRM*}$	T _J = 125°C			7	mA
	$V_R = V_{RRM}$	T _J = 25°C			550	μΑ	
C _T	Junction Capacitance (per diode)	V _R = 5 V	f = 1 MHz		500		pF
I _{F(AV)}	Max Average Forward Current	50% Duty Cycle	Per Diode			8	A
		50% Duty Cycle	Per Device			16	^

^{*}Pulse test tp=300μs δ≤2%

Parameter			Unit
R _{TH(j-c)}	Maximum Thermal Resistance Junction To Case	1.5	°C/W

Semelab Plc reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by Semelab is believed to be both accurate and reliable at the time of going to press. However Semelab assumes no responsibility for any errors or omissions discovered in its use. Semelab encourages customers to verify that datasheets are current before placing orders.

Semelab plc. Telephone +44(0)1455 556565. Fax +44(0)1455 552612. Document Number 3277

E-mail: sales@semelab.co.uk Website: http://www.semelab.co.uk Issue 2