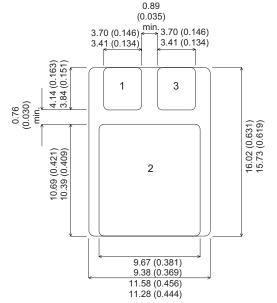
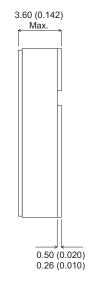


SB30-100MSMD **SB30-100ASMD SB30-100RSMD**

Dimensions in mm



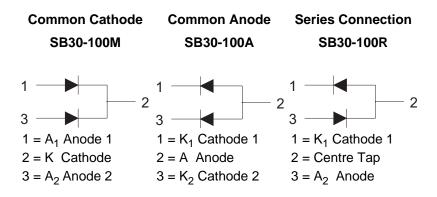


DUAL SCHOTTKY BARRIER DIODE IN FOR **HI-REL APPLICATIONS**

FEATURES

- HERMETIC CERAMIC PACKAGE
- ISOLATED CASE
- SCREENING OPTIONS AVAILABLE
- OUTPUT CURRENT 30A
- LOW V_F

SMD1 Package (TO-276AB)



ABSOLUTE MAXIMUM RATINGS (T_{case} = 25°C unless otherwise stated)

V_{RRM}	Peak Repetitive Reverse Voltage (Per Leg)	100V
V_{RSM}	Peak Non-Repetitive Reverse Voltage (Per Leg)	100V
V_{R}	Continuous Reverse Voltage (Per Leg)	100V
$I_{F(AV)}$	Maximum Average Forward Current	30A
I _{FSM*}	Peak Non-Repetitive Surge Current (per leg)	100A
T_{STG}	Storage Temperature Range	-55°C to 150°C
T_J	Maximum Operating Junction Temperature	150°C

 $t_D = 8.3$ ms half-sine

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.

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



SB30-100MSMD SB30-100ASMD SB30-100RSMD

ELECTRICAL CHARACTERISTICS ($T_{CASE} = 25$ °C unless otherwise stated

	Parameter	Test	Conditions	Min.	Тур.	Max.	Unit
		I _F = 15A	T _J = 25°C			1.03	
V _F	Maximum Forward Voltage Drop	I _F = 30A	$T_J = 25^{\circ}C$			1.27	$]$ $_{\vee}$ $ $
	(per diode)*	I _F = 15A	T _J = 125°C			0.77	ľ
		I _F = 30A	T _J = 125°C			0.95	
I _R	Reverse Maximum	V _R = 100V	T _J = 25°C			0.55	mA
	Leakage Current (per diode)*	V _R = 100V	T _J = 125°C			9.0	
C _T	Junction Capacitance (per diode)	V _R = 5 V	f = 1 MHz		215		pF

^{*}Pulse test tp=300μs δ≤2%

	Parameter			Unit
R _{TH(j-c)}	Maximum Thermal Resistance Junction To Case	(per package)	1.3	°C/W
R _{TH(j-c)}	Maximum Thermal Resistance Junction To Case	(per diode)	2.4	°C/W

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