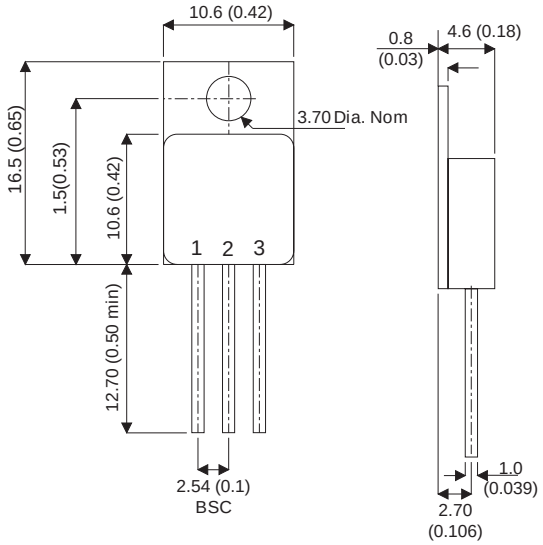
SB08-100M
SB08-100AM
SB08-100RM

MECHANICAL DATA
Dimensions in mm



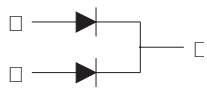
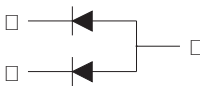
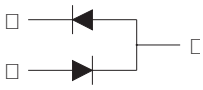
TO220 (TO-257AB) METAL PACKAGE

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**

ELECTRICAL CONNECTIONS

Common Cathode	Common Anode	Series Connection
SB08-100M	**SB08-100AM**	**SB08-100RM**
		
1 = A_1 Anode 1	**1 = K_1 Cathode 1**	**1 = K_1 Cathode 1**
2 = K Cathode	**2 = A Anode**	**2 = Centre Tap**
3 = A_2 Anode 2	**3 = K_2 Cathode 2**	**3 = A_2 Anode**

ABSOLUTE 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
T_J	Maximum Operating Junction Temperature	175°C

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

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

Parameter		Test Conditions		Min.	Typ.	Max.	Unit
V_{FM}	Max Forward Voltage (per diode)	I_F = 8A*	T_J = 25°C			0.75	V
		I_F = 16A*	T_J = 25°C			0.95	
		I_F = 8A*	T_J = 125°C			0.60	
		I_F = 16A*	T_J = 125°C			0.75	
I_{RM}	Reverse Current (per diode)	$V_R = V_{RRM*}$	T_J = 125°C			7	mA
		$V_R = V_{RRM}$	T_J = 25°C			550	µA
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

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