

Silicon Bridge Rectifiers

FEATURES

- Ultra low leakage current I_R < 2µA, T_A = 125°C
- No solder used, real fully in line with lead free
- Package thickness is 1.2 mm
- High ESD > 12 kV (HBM model)
- Plastic material has U/L flammability classification 94V-0
- High temperature soldering guaranteed: 260°C/10s (Reflow)
- High temperature soldering guaranteed: 350°C/ 3s (Manual welding)

MECHANICAL DATA

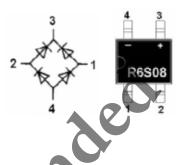
- Case: TMB
- Marking Code : R6S08
- Weight: 58mg (approximately)



TMB







PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V _{RRM}	600	V
RMS Voltage	V _{RMS}	420	V
DC Blocking Voltage	Vpc	600	V
Average Forward Rectified Current	I _{F(AV)}	0.8	А
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave	I _{FSM}	14	А
Thermal Resistance	R _{θJA}	200	°C/W
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to + 150	°C

PARAMETER	TEST CONDITIONS	SYMBOL	VALUE	Units
Reverse Current	V _{RM} = V _{RRM} , T _A = 25°C		0.5	μA
	V _{RM} = V _{RRM} , T _A = 125 °C	'R	2.0	
Forward Voltage	I _F = 0.4 A T _A = 25 °C	V _F	1.0	V
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RATINGS AND CHARACTERISTICS CURVES

(T_A=25°C unless otherwise noted)

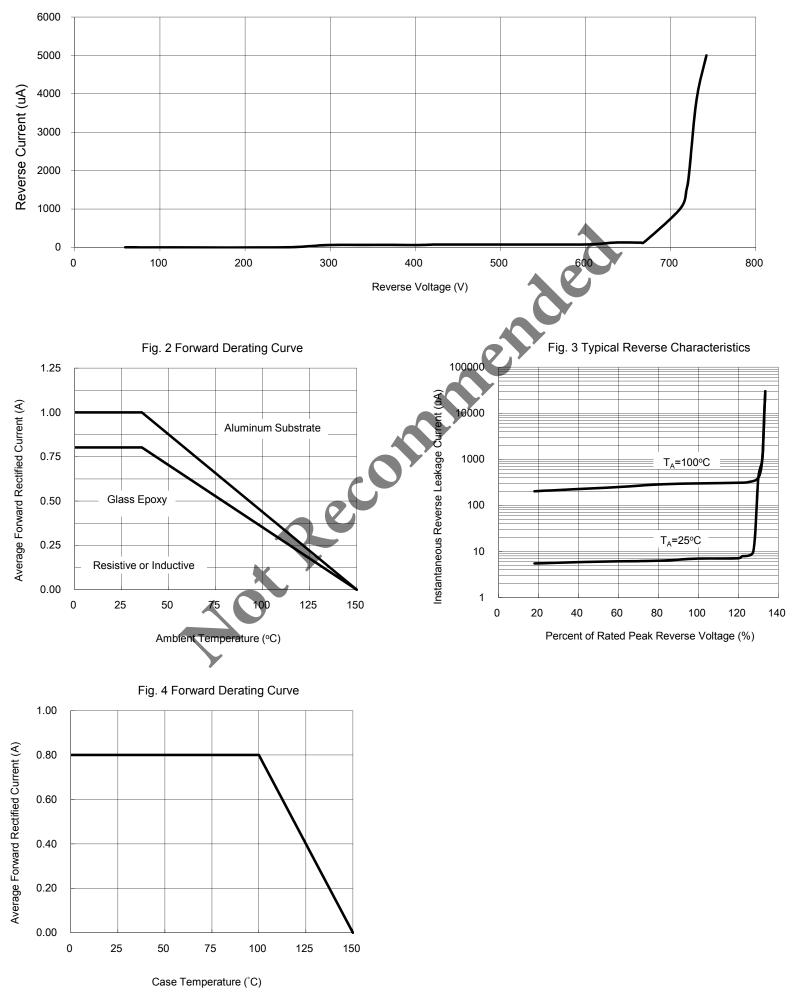


Fig. 1 Reverse Voltage Characteristics

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TMBR6S08

Taiwan Semiconductor

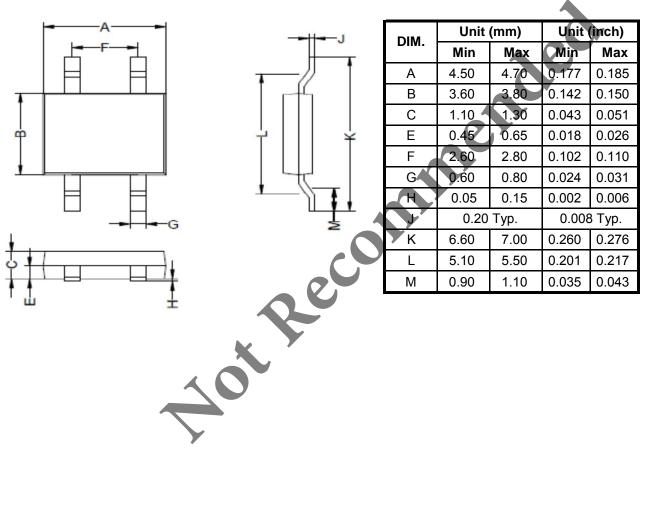
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ORDERING IN	FORMATION			
PART NO.	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING
TMBR6S08	R7	G	ТМВ	5K / 13" Reel

EXAMPLE				
PREFERRED PART NO.	PART NO.	PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION
TMBR6S08 R7G	TMBR6S08	R7	G	Green compound

PACKAGE OUTLINE DIMENSIONS







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