

GLASS PASSIVATED 3 PHASE BRIDGE RECTIFIERS

REVERSE VOLTAGE - 800 to 1600 Volts
FORWARD CURRENT - 35 Amperes

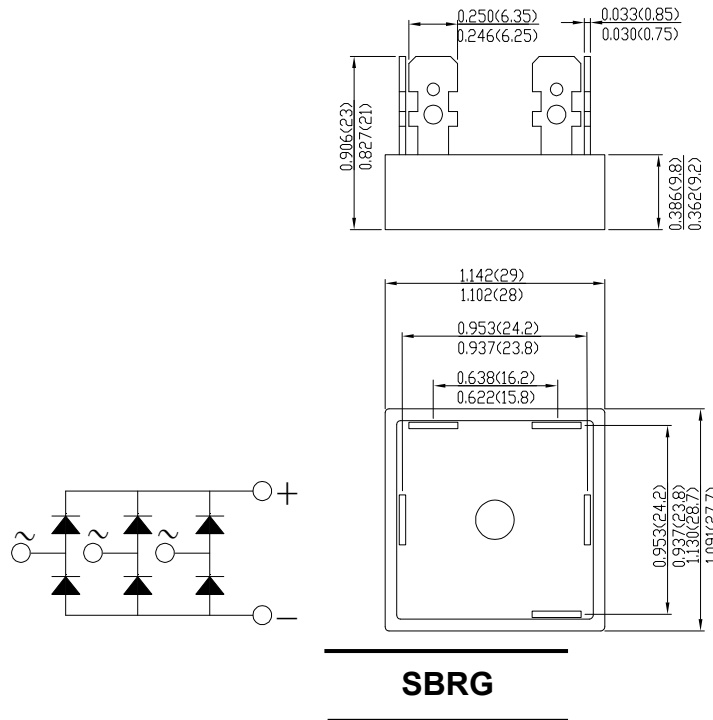
Features

- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards

MECHANICAL DATA

- Case: Epoxy Case with Heat Sink Internally Mounted in the Bridge Encapsulation
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Body
- Weight: 21 grams (approx.)
- Mounting Position: Bolt Down on Heatsink With Silicone Thermal Compound Between Bridge and Mounting Surface for Maximum Heat Transfer Efficiency
- Mounting Torque: 2 N · m

Dimensions In Inches and (millimeters)



Part Number Code

T	S	B	R	2	5	0	8	G
1	2	3	4	5	6	7	8	9

<p>Product Type</p> <table border="1" style="margin: auto;"> <tr> <td>TSK</td> <td>TSBR series</td> </tr> </table>	TSK	TSBR series	<p>Rectified Current</p> <table border="1" style="margin: auto;"> <tr> <td>25</td> <td>25A</td> </tr> <tr> <td>35</td> <td>35A</td> </tr> </table>	25	25A	35	35A	<p>Peak Repetitive Reverse Voltage (V)</p> <table border="1" style="margin: auto;"> <tr> <td>08</td> <td>800V</td> </tr> <tr> <td>10</td> <td>1000V</td> </tr> <tr> <td>12</td> <td>1200V</td> </tr> </table>	08	800V	10	1000V	12	1200V
TSK	TSBR series													
25	25A													
35	35A													
08	800V													
10	1000V													
12	1200V													

ZZZ	Internal code rule
------------	--------------------

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%

VOLTAGE RATINGS							
CHARACTERISTICS	SYMBOL	-08	-10	-12	-14	-16	UNIT
Peak Repetitive Voltage	V _{RRM}						
Working Peak Reverse Voltage	V _{RWM}	800	1000	1200	1400	1600	V
DC Blocking Voltage	V _R						
Peak Non-Repetitive Reverse Voltage	V _{RSM}	900	1100	1300	1500	1700	V
RMS Reverse Voltage	V _{R(RMS)}	560	700	840	980	1120	V
FORWARD CONDUCTION							
CHARACTERISTICS	SYMBOL	TSBR35G					UNIT
Maximum Average Forward Rectified Current @TC=55°C	I _O	35					A
Peak Forward Surge Current t=8.3ms at 60HZ	I _{FSM}	400					A
I ² t Rating for fusing	I ² t	840					A ² S
Maximum Forward Voltage drop per element at 17.5A Peak	V _F	1.1					V
Reverse peak current	I _R	5					μA
		3					mA
RMS Isolation Voltage from Case to Lead	V _{ISO}	2500					V
THERMAL CHARACTERISTICS							
Operating Temperature Range	T _J	-40 to +150					°C
Storage Temperature Range	T _{STG}	-40 to +125					°C

RATING AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

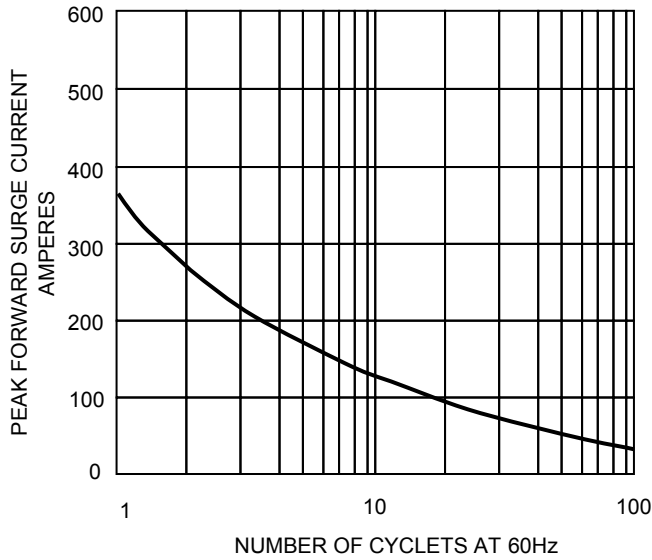


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

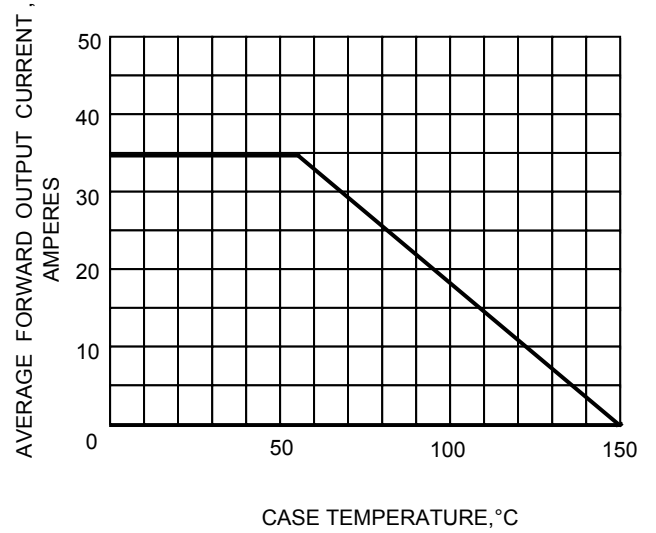


FIG.3-TYPICAL FORWARD CHARACTERISTICS

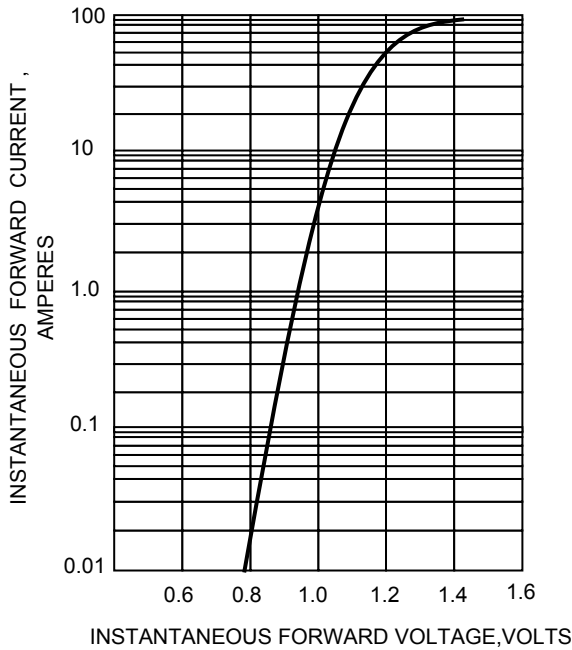
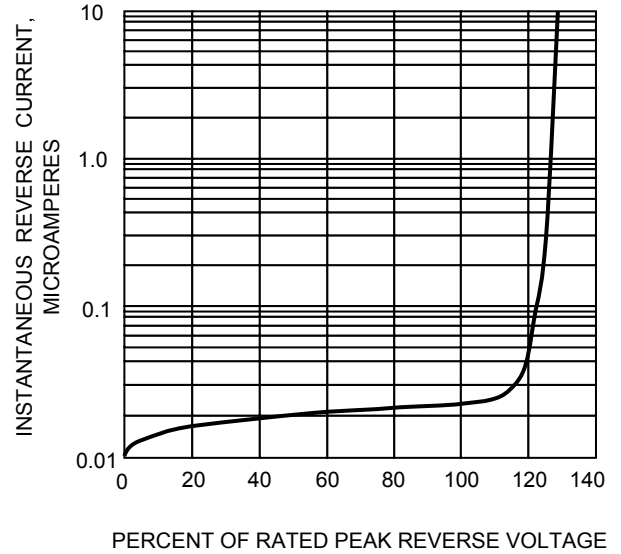


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!