

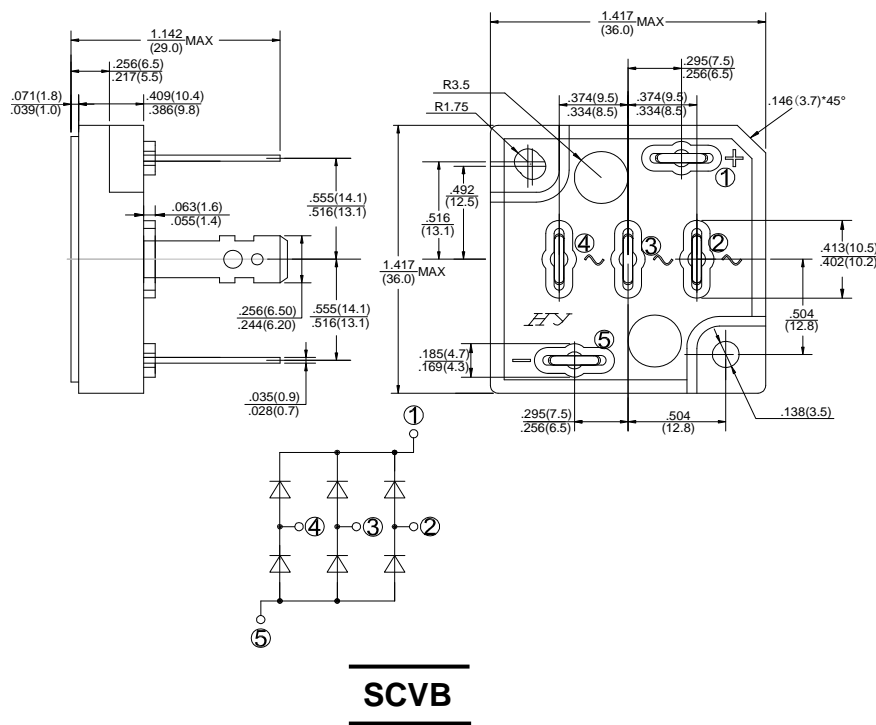
**GLASS PASSIVATED
3 PHASE BRIDGE RECTIFIERS**

REVERSE VOLTAGE - **1600Volts**
FORWARD CURRENT - **50Amperes**

Features

- Surge overload -500 amperes peak
- Low forward voltage drop
- Mounting position :Any
- Weight: 45g

Dimensions In Inches and (milimeters)



Part Number Code

T	S	C	5	0	V	B	8	0
1	2	3	4	5	6	7	8	9

Product Type	
TSK	TSC50VB series

Peak Repetitive Reverse Voltage (V)	
80	800V
160	1600V

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load 60Hz.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	SC50VB160	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	1600	V
Maximum RMS Bridge Input Voltage	VRMS	1120	V
Maximum Average Forward Rectified Output Current @ Tc=55°C	I(AV)	50	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	500	A
Current Squared time (1ms < t < 10ms)	I ² t	1037.5	A ² S
Dielectric Strength	Vdis	2000	V
Mounting Torque	TOR	0.8	N.m
Maximum Forward Voltage Drop Per Element at 17.5A Peak	VF	1.1	V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ TA=25°C	IR	100	μA
Typical Thermal Resistance (Note1)	RθJC	Max: 0.7	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	TSTG	-55 to +150	°C

NOTES: 1. Thermal Resistance Junction to case.

2. The typical data above is for reference only(典型值仅供参考).

RATING AND CHARACTERISTIC CURVES

FIG.1-MAXMUN FORWARD SURGE CURRENT

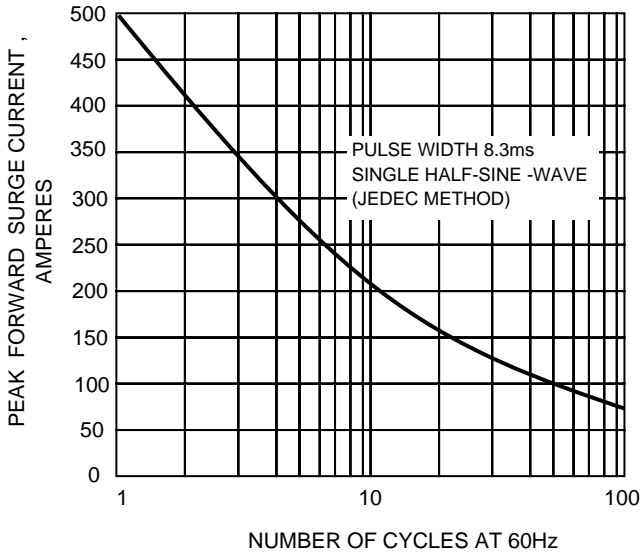


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

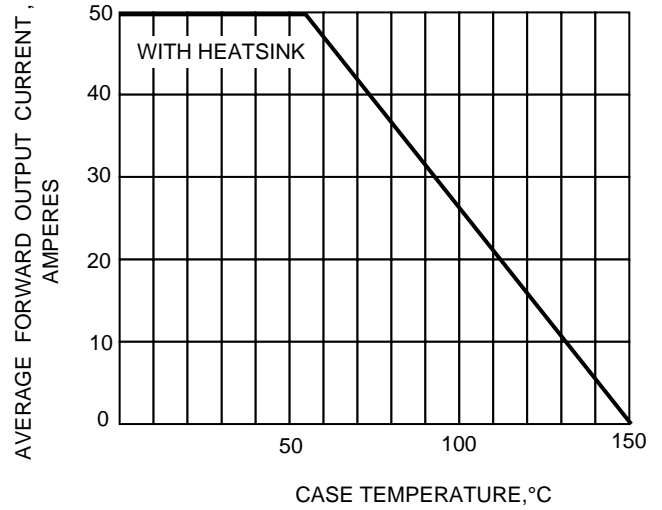


FIG.3-TYPICAL FORWARD CHARACTERISTICS

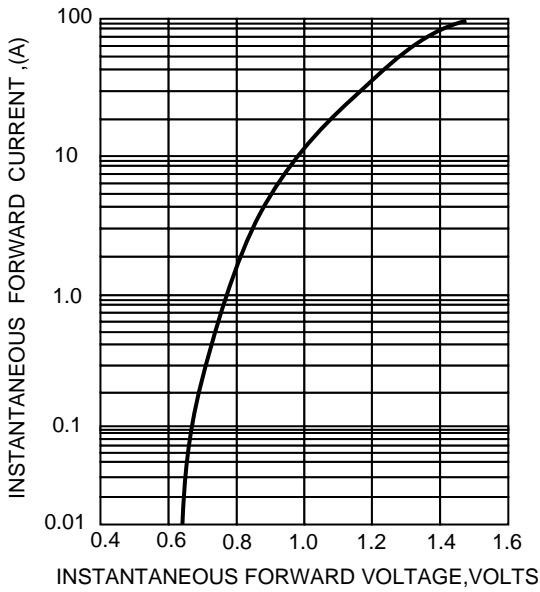
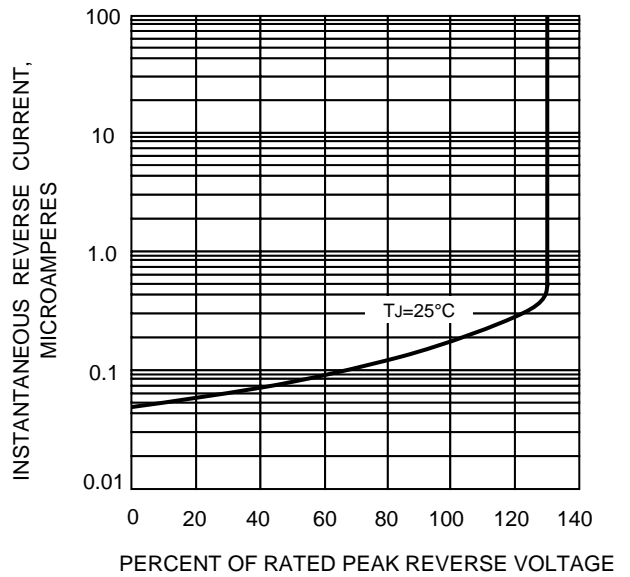


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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