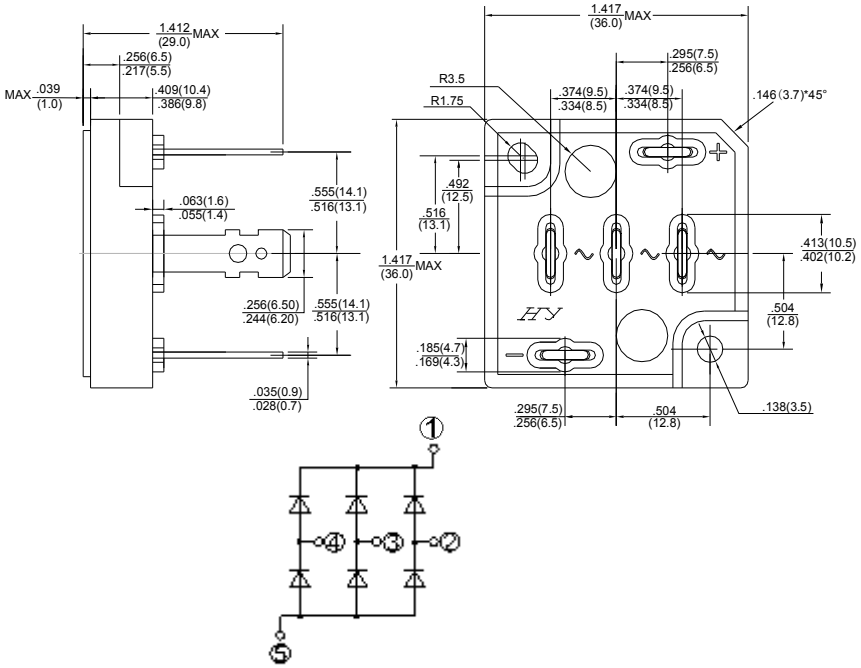
SH50VB80

GLASS PASSIVATED 3 PHASE BRIDGE RECTIFIERS	REVERSE VOLTAGE - **800**Volts FORWARD CURRENT - **50**Amperes

FEATURES

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

SHVB



Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Resistive or inductive load 60Hz.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	SH50VB80	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	800	V
Maximum RMS Bridge Input Voltage	V_{RMS}	560	V
Maximum Average Forward Rectified Output Current @ T_C=55℃	$I_{(AV)}$	50	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	500	A
Current Squared time (1ms＜t＜10ms)	I^2t	1037.5	A^2S
Dielectric Strength	Vdis	2000	V
Mounting Torque	T_{OR}	0.8	N.m
Maximum Forward Voltage Drop Per Element at 25A Peak	V_F	1.1	V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ T_A=25℃	I_R	10	μA
Tyical Thermal Resistance (Note1)	$R_{\theta JC}$	Max: 1.0	℃/W
Operating Temperature Range	T_J	-55 to +150	℃
Storage Temperature Range	T_{STG}	-55 to +150	℃

NOTES: 1.Thermal Resistance Junction to case.

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

REV.1,15-Aug-2016

RATING AND CHARACTERISTIC CURVES
SH50VB80

FIG.1-MAXMUN FORWARD SURGE CURRENT

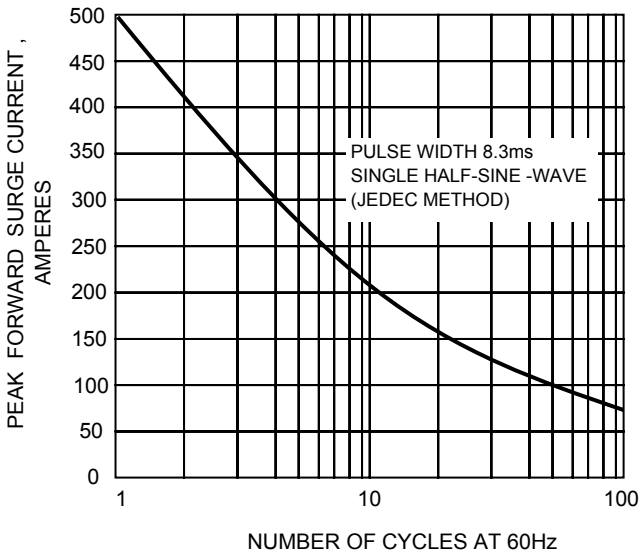


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

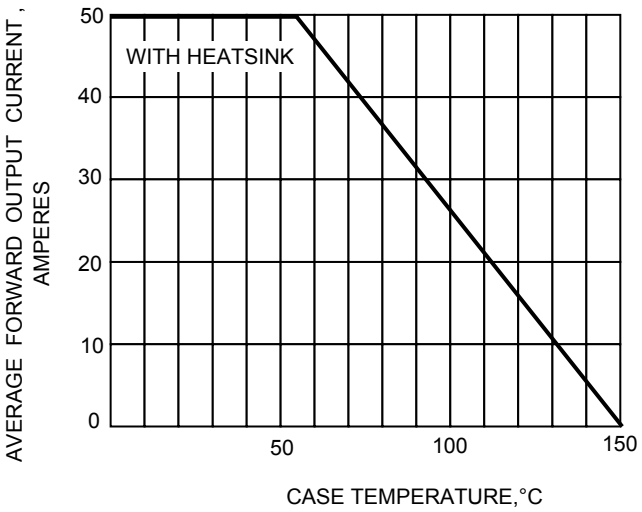


FIG.3-TYPICAL FORWARD CHARACTERISTICS

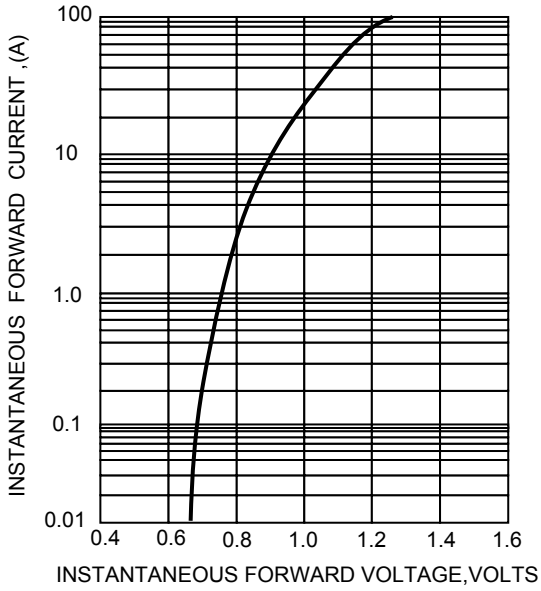
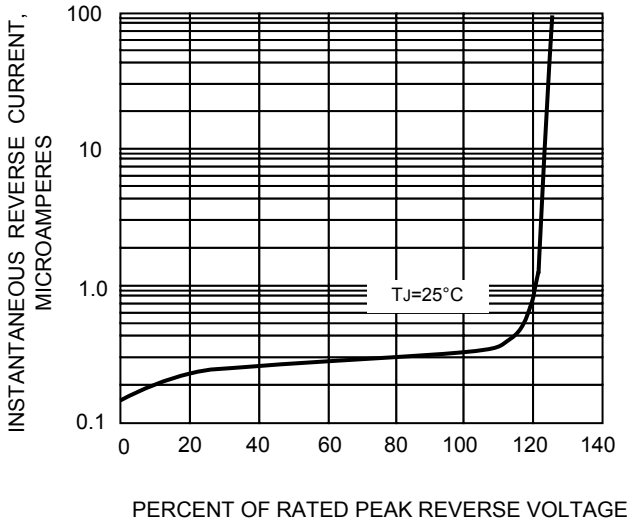


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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