

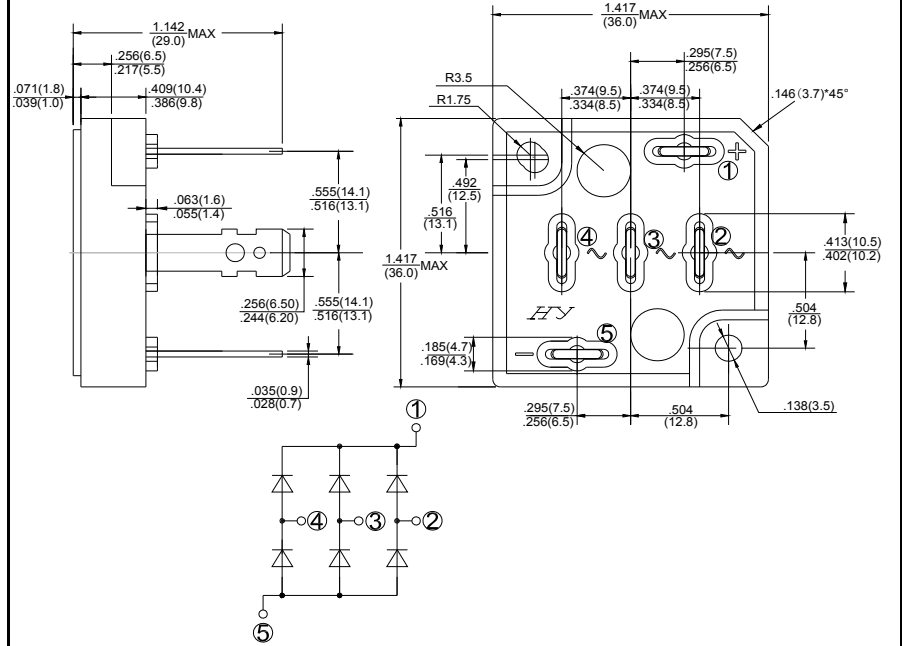
**GLASS PASSIVATED
3 PHASE BRIDGE RECTIFIERS**

REVERSE VOLTAGE - **1000Volts**
FORWARD CURRENT - **35Amperes**

FEATURES

- Surge overload -350 amperes peak
- Low forward voltage drop
- Mounting position :Any
- Weight: 45g

SCVB



Dimensions in inches and (millimeters)

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	SC35VB100	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	700	V
Maximum Average Forward Rectified Output Current @ $T_c=55^\circ C$	$I_{(AV)}$	35	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	350	A
Current Squared time ($1ms < t < 10ms$)	I^2t	508	A^2S
Dielectric Strength	V_{dis}	2000	V
Mounting Torque	TOR	0.8	N.m
Maximum Forward Voltage Drop Per Element at 17.5 A Peak	V_F	1.05	V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ $T_A=25^\circ C$	I_R	10	μA
Typical Thermal Resistance (Note1)	$R_{\theta JC}$	Max: 0.7	$^\circ C/W$
Operating Temperature Range	T_J	-55 to +150	$^\circ C$
Storage Temperature Range	T_{STG}	-55 to +150	$^\circ C$

NOTES: 1.Thermal Resistance Junction to case.

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

FIG.1-MAXMUN FORWARD SURGE CURRENT

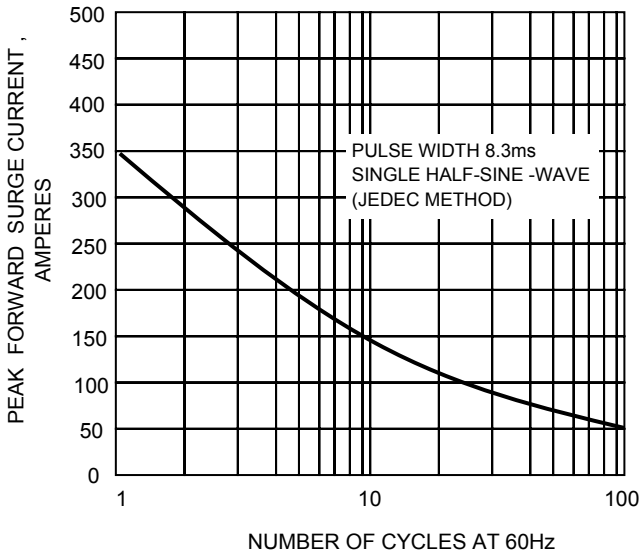


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

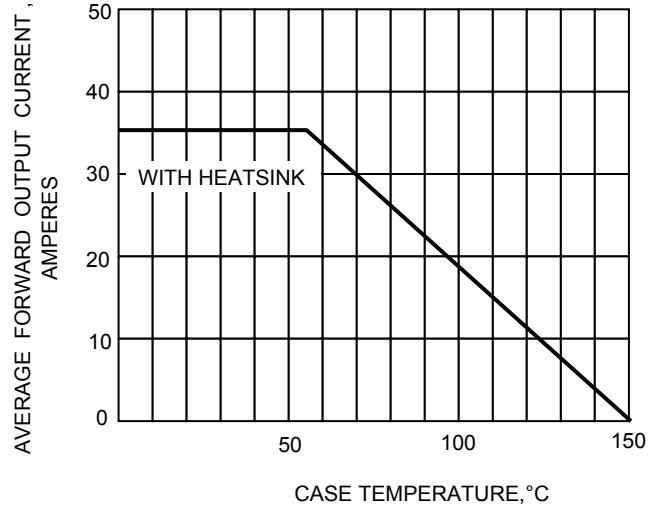


FIG.3-TYPICAL FORWARD CHARACTERISTICS

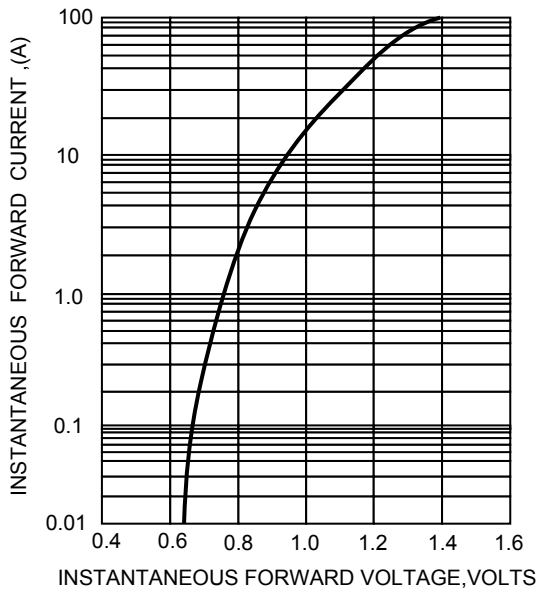
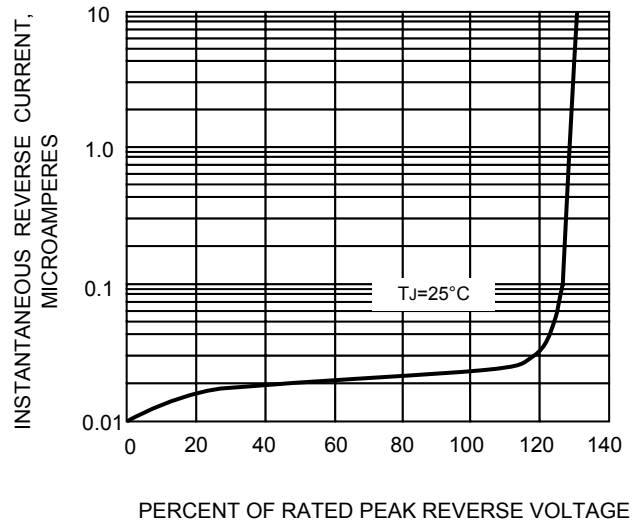


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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



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