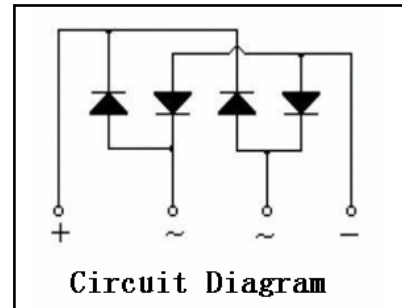
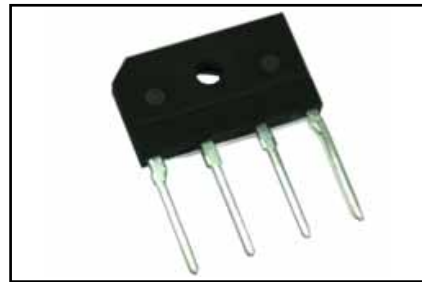


Bridge rectifiers

Feature

- . Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- . This series is UL listed under the Recognized Component index, file number E231047
- . Single-in-line package
- . High current capacity with small package
- . Superior thermal conductivity
- . High temperature soldering guaranteed:
260 /10 seconds
- . High I_{FSM}
- . We declare that the material of product compliance with RoHS requirements.

**D3SB10 Thru D3SB100
RBV402S Thru RBV407S**



Product Characteristic

Parameter Symbol	Symbol	D3SB10	D3SB20	D3SB40	D3SB60	D3SB80	D3SB100	Unit
		RBV402S	RBV403S	RBV404S	RBV405S	RBV406S	RBV407S	
Maximum repetitive voltage	V_{RM}	100	200	400	600	800	1000	V
Maximum DC reverse current at rated DC blocking voltage	I_R	10						μA
<small>TA=25 TA=125</small>		500						
Average rectified forward current 60Hz Sine wave Resistance load	I_O	4 ⁽¹⁾						A
<small>Tc=100 TA=25</small>		1.8 ⁽²⁾						
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	120						A
Dielectric strength terminals to case , AC 1 minute Current 1mA	Vdia	2.5						KV
Max instantaneous forward voltage at 2.0A	V_F	1.1						V
Operating junction temperature	T_J	150						
Maximum thermal resistance per leg	$R_{\theta JA}$	26 ⁽²⁾						/W
<small>on P.C.B. without heat-sink on Al plate heat-sink</small>	$R_{\theta JC}$	4.2 ⁽¹⁾						
Storage temperature	Tstg	-40~150						

- Notes :** (1)Unit case mounted on Al plate heat-sink
(2) Unites mounted on P.C.B. without heat-sink
(3)Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with #6 screw{heat-sink size:6.5*4.0*0.3cm}

Characteristic Curves

Fig. 1 Derating Curve

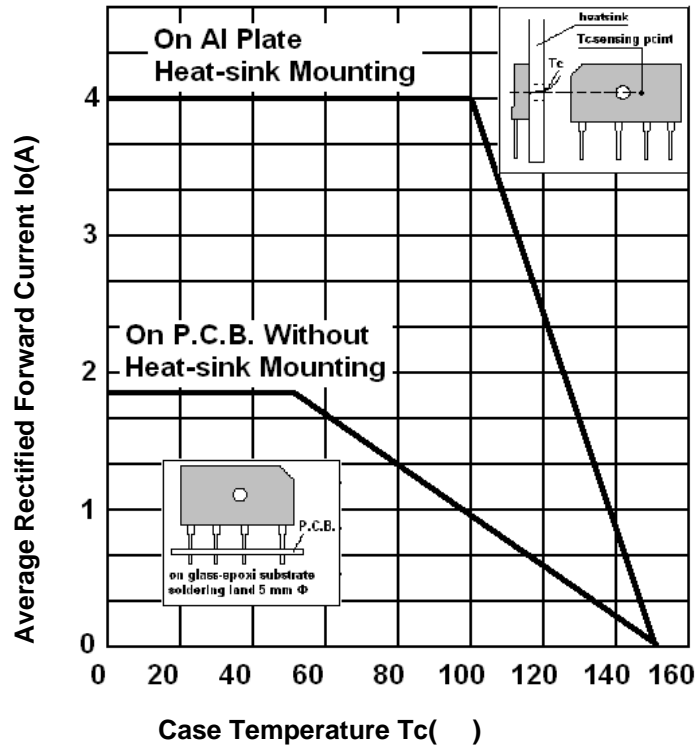


Fig.2 Typical Reverse Characteristics

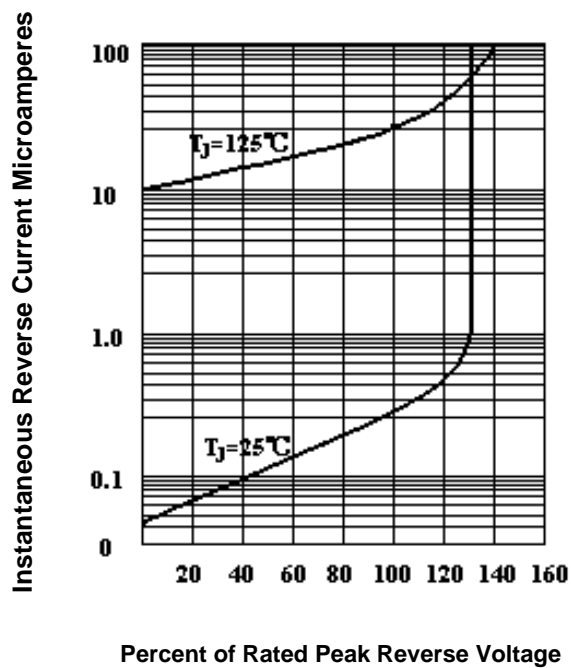


Fig.3 Peak Surge Forward capability

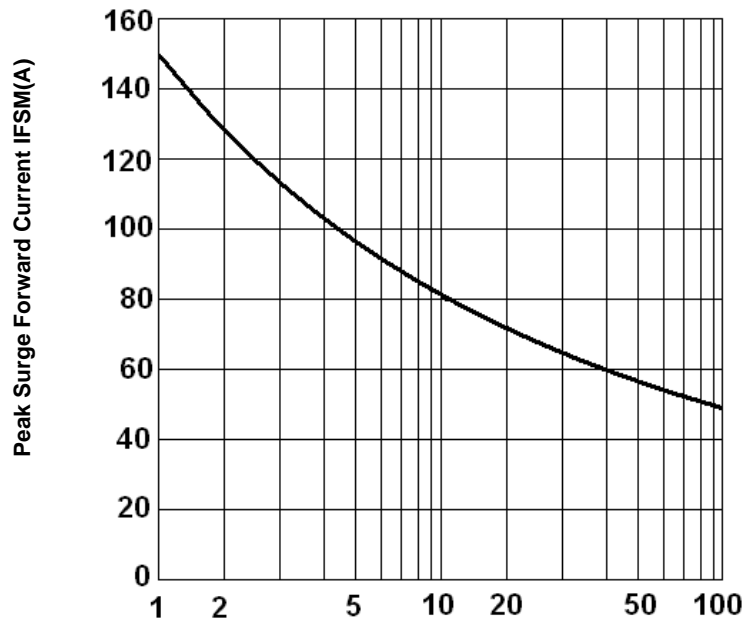
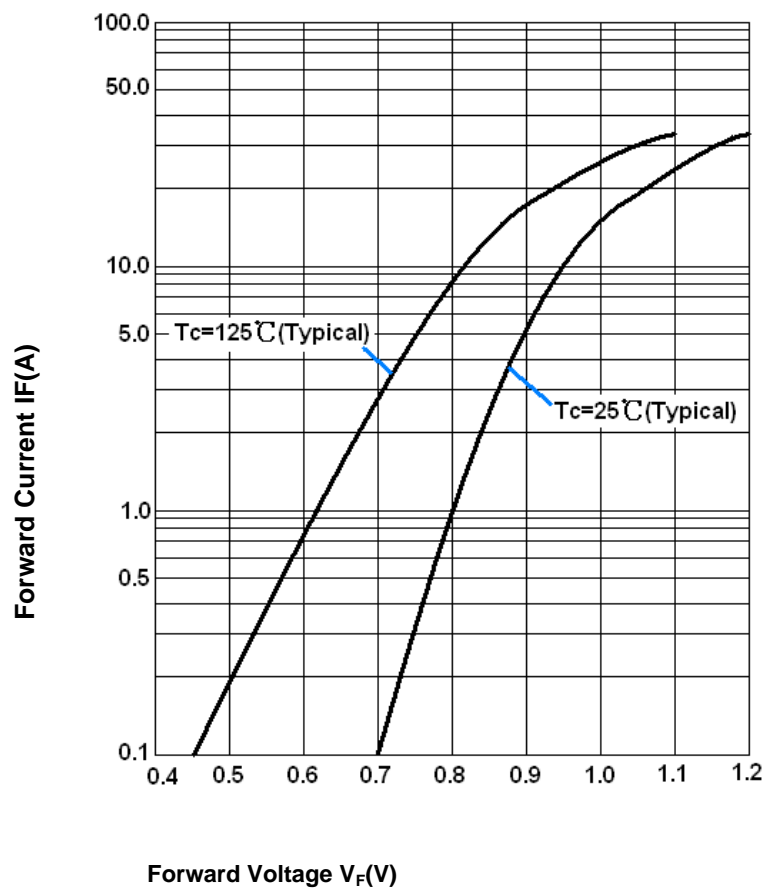
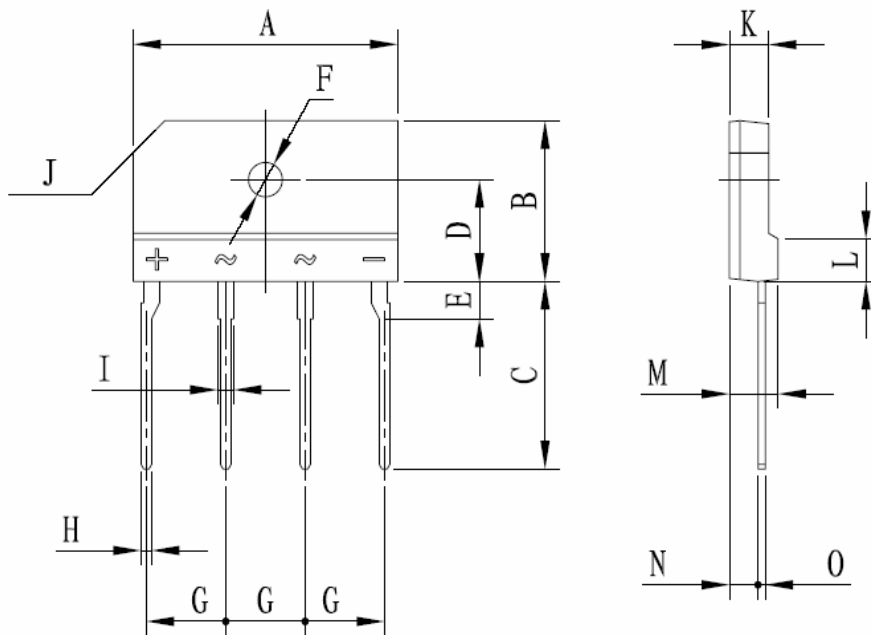


Fig.4 Forward Voltage



SHAPE AND DIMENSIONS



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.627	0.643	24.70	25.30
B	0.373	0.389	14.70	15.30
C	0.432	0.457	17.00	18.00
D	0.236	0.246	9.30	9.70
E	0.084	0.094	3.30	3.70
F	0.079	0.086	3.10	3.40
G	0.185	0.196	7.30	7.70
H	0.023	0.028	0.90	1.10
I	0.033	0.043	1.30	1.70
J	0.076	*45 °	3.00	*45 °
K	0.086	0.097	3.40	3.80
L	0.102	0.000	4.00	
M	0.112	0.122	4.40	4.80
N	0.064	0.074	2.50	2.90
O	0.015	0.020	0.60	0.80

- NOTES: 1. DIMENSIONING AND TOLERANCING PER ANSII14.5M, 1982.
2. CONTROLLING DIMENSION: mm.