Bridge rectifiers

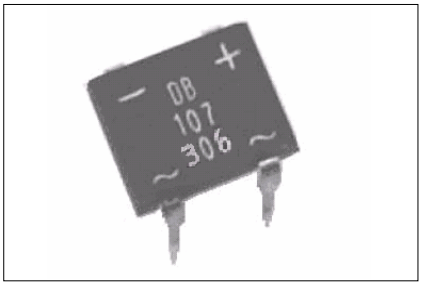
Feature

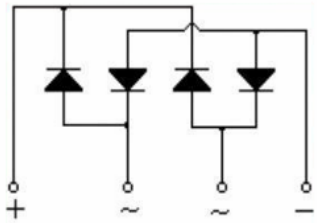
- **Plastic Package has Underwriters Laboratory Flammability Classification 94V-0**
- **Glass passivated chip junctions**
- **Surge overload rating of 30 Amperes peak**
- **Ideal for printed circuit board**

MECHANICAL DATA

- **Case: Molded plastic**
- **Weight: 0.02 ounce,0.5 gram**
- **High temperature soldering guaranted : 260℃/10seconds**
- **We declare that the material of product compliance with RoHS reqirements.**

DB102 Thru DB107
DF01 Thru DF10





Circuit Diagram

Product Characteristic

Parameter Symbol	Symbol	DB102 / DF01	DB103 / DF02	DB104 / DF04	DB105 / DF06	DB106 / DF08	DB107 / DF10	Unit
Maximum repetitive voltage	V_{RM}	100	200	400	600	800	1000	V
Maximum DC reverse current TA=25℃ at rated DC blocking voltage TA=125℃	I_R	10						μA
		500						
Average rectified forward current 60Hz Sine wave Resistance load with heat sink Tc=100℃	Io	1						A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50						A
Maximum instantaneous forward voltage at 1A	V_F	1.1						V
Operating junction temperature	T_J	125						℃
Storage temperature	Tstg	-40~150						℃

Characteristic Curves

Fig. 1 Derating Curve

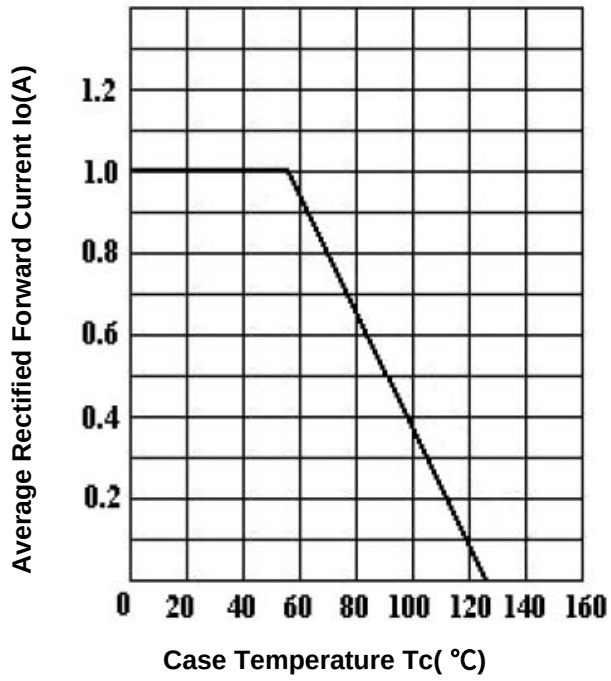


Fig.2 Typical Reverse Characteristics

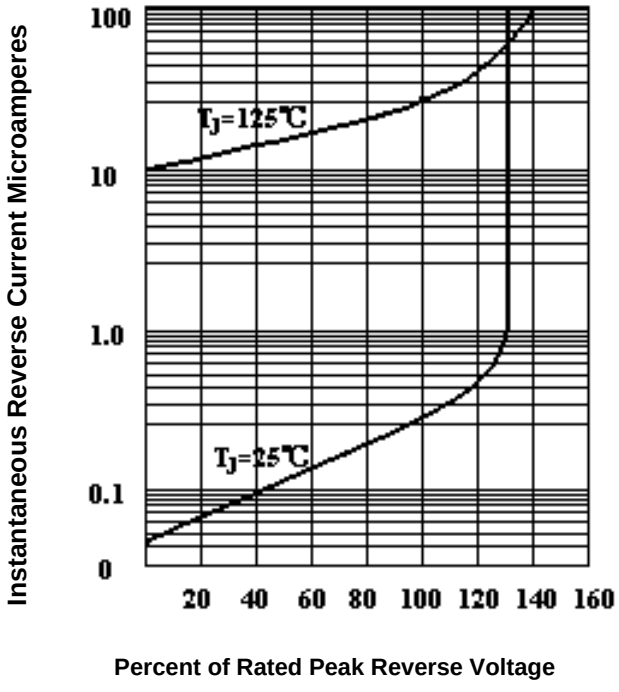


Fig.3 Peak Surge Forward capability

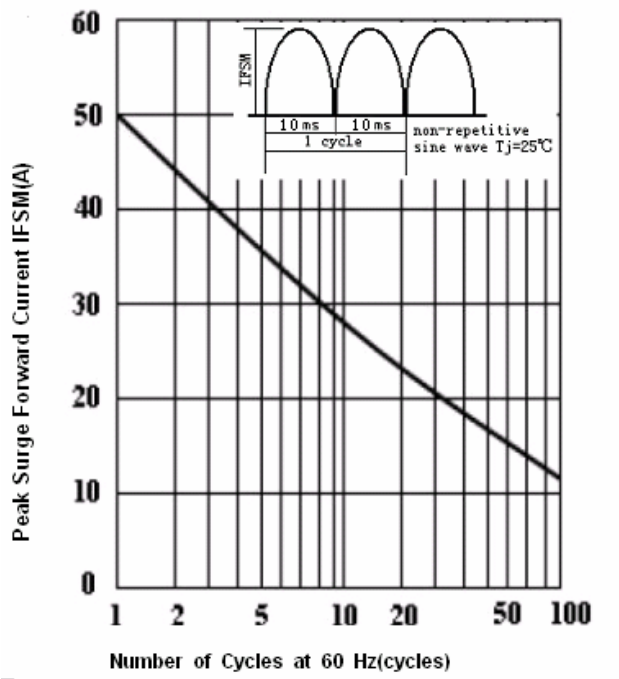
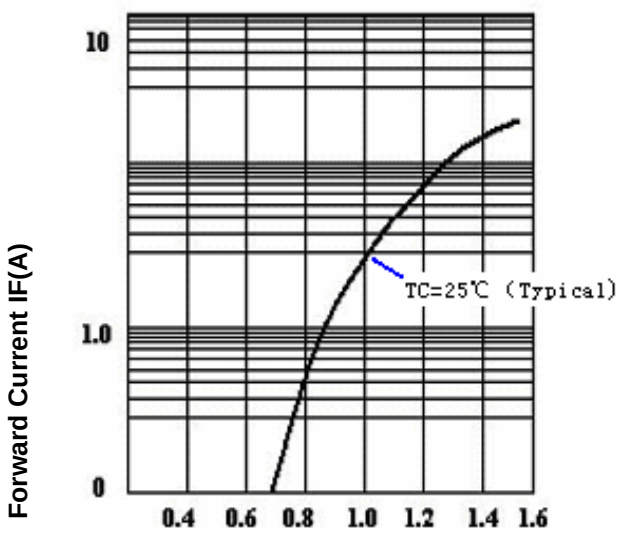
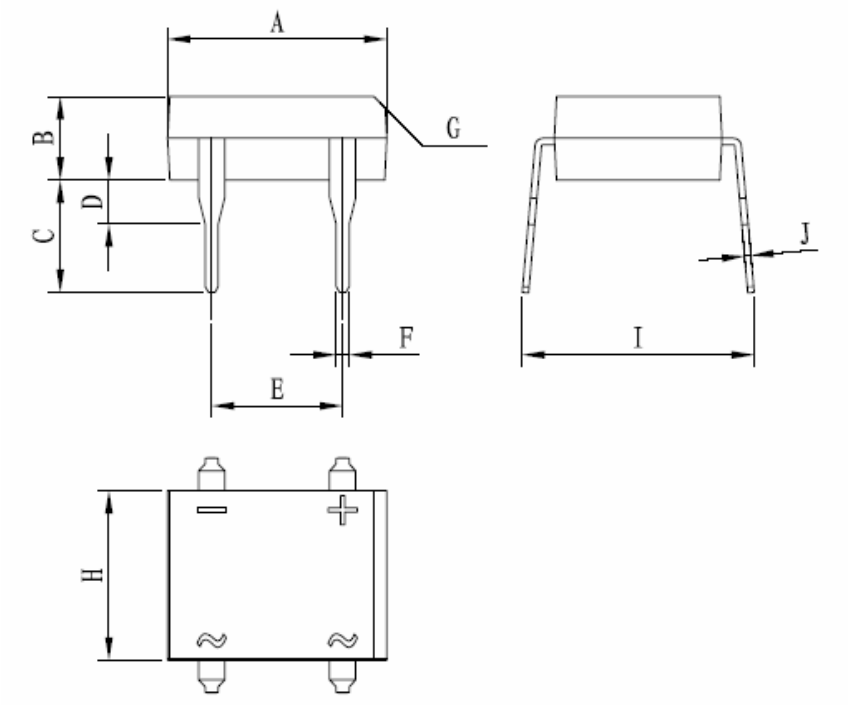


Fig.4 Forward Voltage



SHAPE AND DIMENSIONS



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.319	0.335	8.10	8.50
B	0.118	0.134	3.00	3.40
C	0.165	0.173	4.20	4.40
D	0.063	0.071	1.60	1.80
E	0.192	0.208	4.88	5.28
F	0.016	0.024	0.41	0.61
G	0.039*45°		1*45°	
H	0.244	0.260	6.20	6.60
I	0.335	0.374	8.50	9.50
J	0.01	0.01	0.20	0.30

NOTES: 1. DIMENSIONING AND TOLERANCING PER ANSIY14.5M, 1982.
2. CONTROLLING DIMENSION: mm.