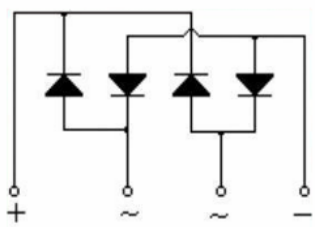
Bridge rectifiers

Feature

W01 Thru W10

- **Plastic Package has Underwriters Laboratory Flammability Classification 94V-0**
- **Rating to 1000 V PRV**
- **Ideal for printed circuit board**
- **Reliable low cost construction utilizing molded plastic technique**
- **High temperature soldering guaranted: 260℃/10 seconds**
- **High I_{FSM}**
- **We declare that the material of product compliance with RoHS requirements.**



Circuit Diagram

Product Characteristic

Parameter Symbol	Symbol	W01	W02	W04	W06	W08	W10	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	10 500						μA
Average rectified forward current 60Hz Sine wave Resistance load with heat sink Tc=100℃	Io	1.5						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

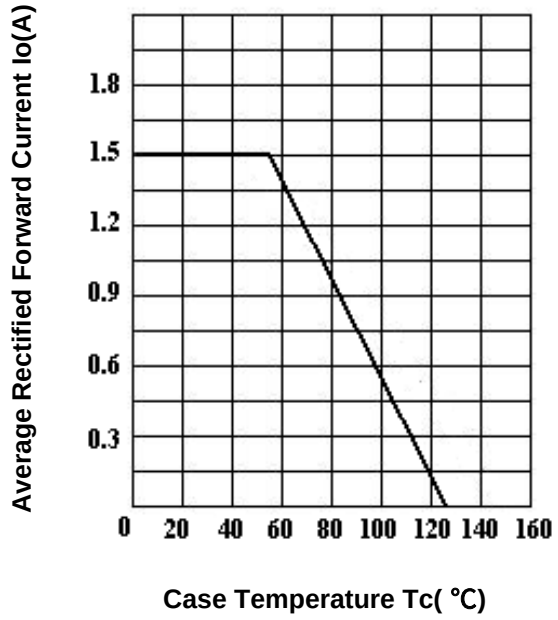


Fig.2 Typical Reverse Characteristics

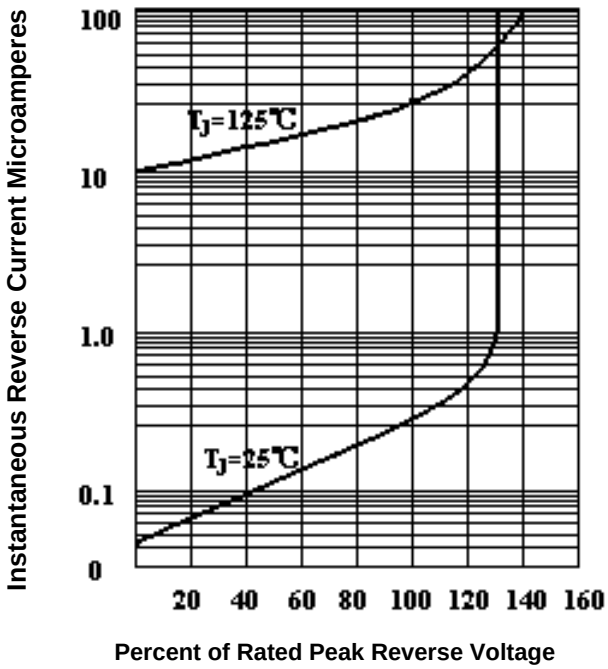


Fig.3 Peak Surge Forward capability

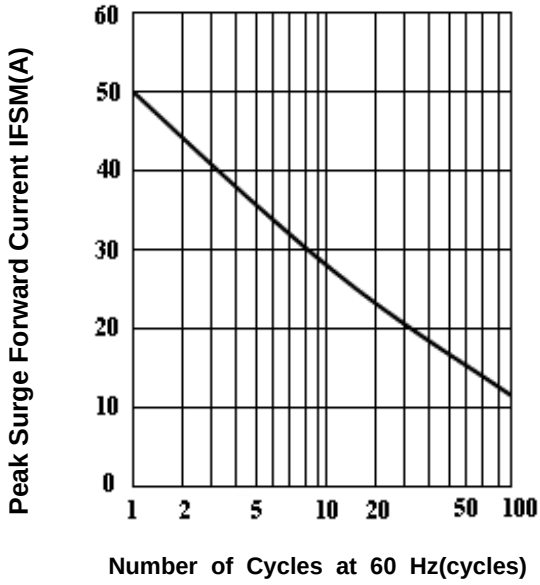
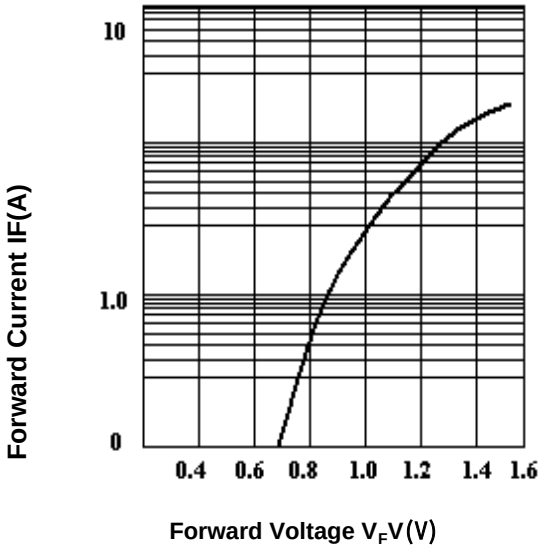
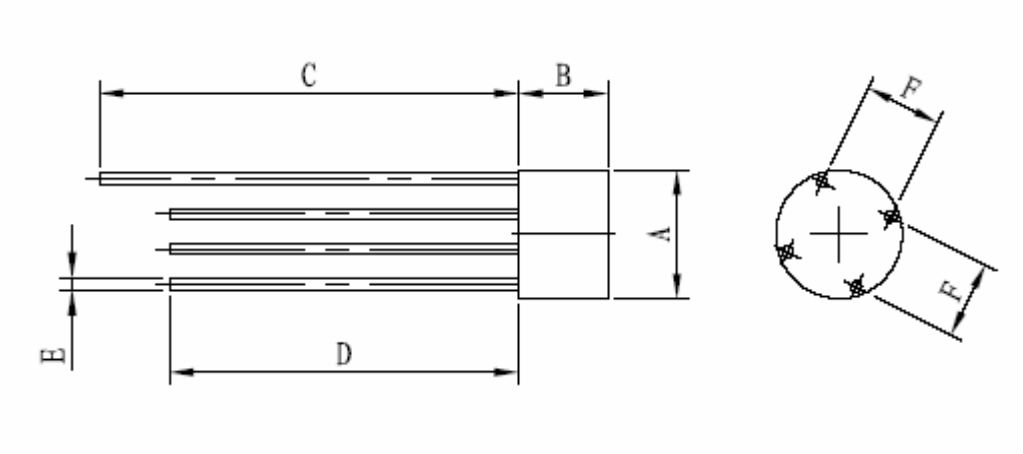


Fig.4 Forward Voltage



SHAPE AND DIMENSIONS



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.350	0.374	8.90	9.50
B	0.244	0.268	6.20	6.80
C	1.181	1.220	30.00	31.00
D	0.980	1.020	24.90	25.90
E	0.028	0.035	0.70	0.90
F	0.213	0.228	5.40	5.80

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