

Bridge rectifiers

Feature

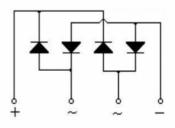
- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- . Glass passivated chip junctions
- . Surge overload rating of 30 Amperes peak
- . Ideal for printed circuit board

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 regirements.

DB102S Thru DB107S DF01S Thru DF10S





Circuit Diagram

Parameter Symbol	Symbol	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S	Unit
		DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	
Maximum repetitive voltage	V _{RM}	100	200	400	600	800	1000	V
Maximum DC reverse currentTA=25at rated DC blocking voltageTA=125	I _R	10 500					μA	
Average rectified forward current 60Hz Sine wave Resistance load with heat sink Tc=100	lo	1				А		
Peak forward surge current 10ms single half sine-wave superimposed on rated load	I _{FSM}	50			А			
Maximum instantaneous forward voltage at 1A		1.1					V	
Operating junction temperature		125						
Storage temperature		-40~150						

Product Characteristic





Characteristic Curves

Fig. 1 Derating Curve

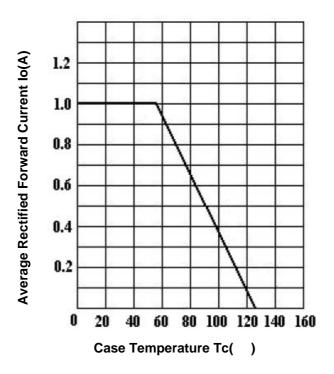
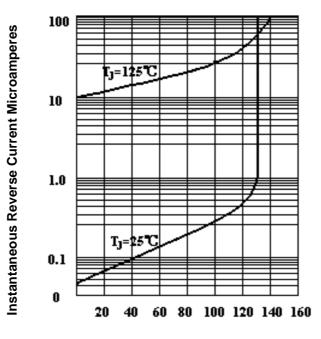


Fig.2 Typical Reverse Characteristics



Percent of Rated Peak Reverse Voltage





Fig.3 Peak Surge Forward capability

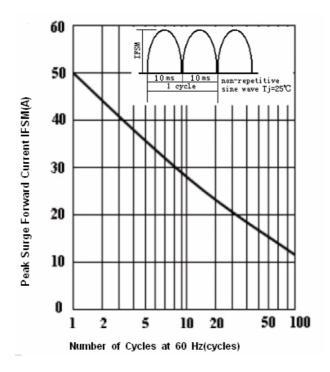
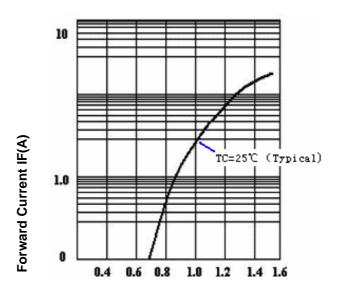


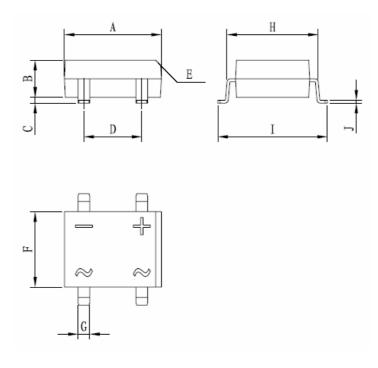
Fig.4 Forward Voltage



Forward Voltage V_F(V)



SHAPE AND DIMENSIONS



DIM	INCHES	MILLIMETERS					
	MIN	MAX	MIN	MAX			
A	0.319	0.335	8.10	8.50			
В	0.118	0.134	3.00	3.40			
С	0.004	0.020	0.10	0.50			
D	0.192	0.208	4.88	5.28			
E	0.039	∗45°	1*45°				
F	0.244	0.260	6.20	6.60			
G	0.032	0.048	0.82	1.22			
Н	0.303	0.327	7.70	8.30			
I	0.386	0.402	9.80	10.20			
J	0.008	0.012	0.20	0.30			

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