SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1200 Volts FORWARD CURRENT - 1.5 Amperes

FEATURES

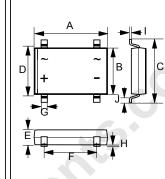
- Rating to 1200V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0
- UL recognized file # E95060

MECHANICAL DATA

Polarity: As marked on BodyWeight: 0.02 ounces, 0.38 grams

• Mounting position : Any

DF-S



DF-S								
DIM.	MIN.	MAX.						
Α	8.20	8.50						
В	6.20	6.50						
С	-	10.30						
D	7.40	7.90						
E	2.40	2.60						
F	5.00	5.20						
G	1.00	-						
Н	.076	.330						
I	0.22	0.30						
J	1.02	1.53						
All Dimensions in millimeter								

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	DF 15005S	DF 1501S	DF 1502S	DF 1504S	DF 1506S	DF 1508S	DF 1510S	DF 1512S	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	1200	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	840	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	1200	V
Maximum Average Forward @Ta=40°C	I(AV)	1.5								Α
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	IFSM	50							А	
Maximum forward Voltage at 1.5A DC	VF	1.1						V		
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =25℃ @TJ =125℃	l IR	10 500							uA	
I ² t Rating for fusing (t < 8.3ms)	l² t	10.4						A ² S		
Typical Junction Capacitance per element (Note1)	Сл	25						pF		
Typical Thermal Resistance (Note 2)	R⊕JA				2	10				°C/W
Operating Temperature Range	TJ	-55 to +150					°C			
Storage Temperature Range	Тѕтс	-55 to +150						°C		

 $\ensuremath{\mathsf{NOTES}}$: 1.Measured at 1.0MHz and applied reverse voltage of 4.0VDC.

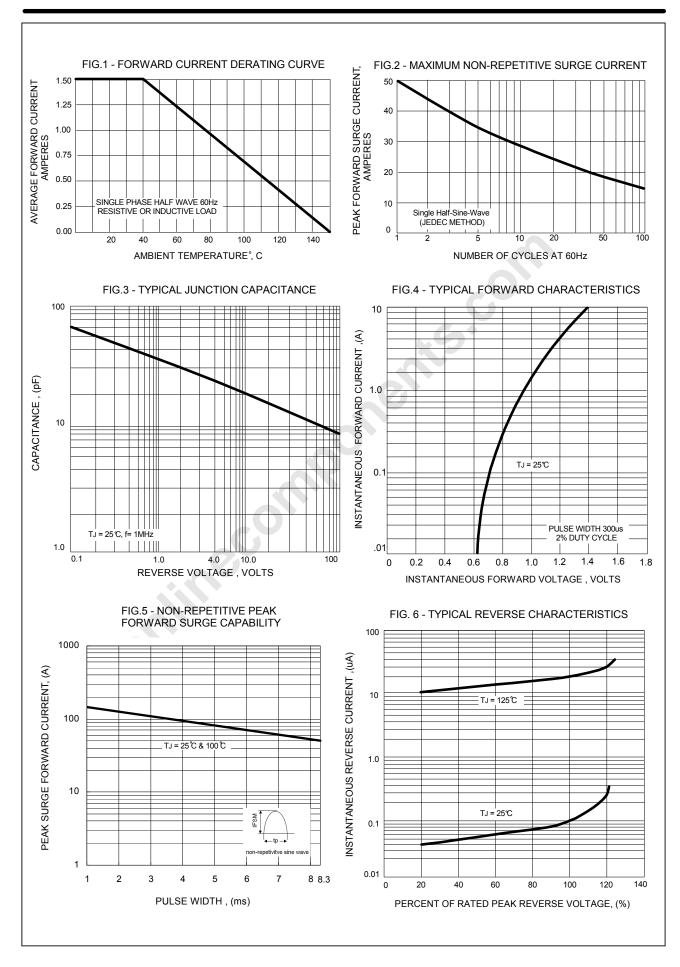
2. Thermal resistance from junction to ambient mounted on

P.C.B

with 0.5x0.5"(13x13mm) copper pads.

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