

DB152 Thru DB157

High Current Glass Passivated Molding Single-Phase Bridge Rectifier

Reverse Voltage 100 to 1000V Forward Current 1.5 A

FEATURES

- | Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- | High current capacity with small package
- | Glass passivated chip junctions
- | Superior thermal conductivity
- | High IFSM



1. Maximum & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

Parameter Symbol	Symbol	DB152	DB153	DB154	DB155	DB156	DB157	Unit
Maximum repetitive voltage	V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	V
Maximum DC reverse current TA=25 °C	IR	5						µA
at rated DC blocking voltage TA=125°C		500						
Average rectified forward current 60Hz Sine wave Resistance load with Ta=55°C	I _o	1.5						A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	IFSM	60						A
Max instantaneous forward voltage at 1.5A	V _F	1.05						V
Current Squared Time	I ² t	10						A ² sec
Operating junction temperature	T _J	-55~150						°C
Storage temperature	T _{stg}	-55~150						°C

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2. Ratings and Characteristic Curves ($T_A = 25^\circ\text{C}$ unless otherwise noted)

Fig. 1 Derating Curve

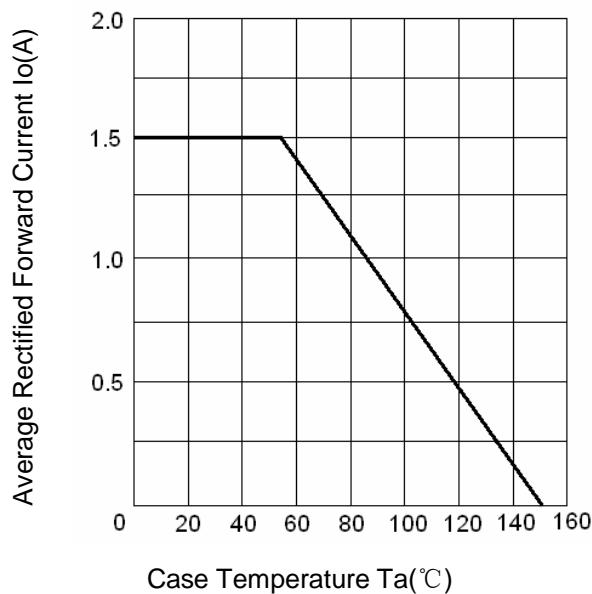


Fig.2 Typical Reverse Characteristics

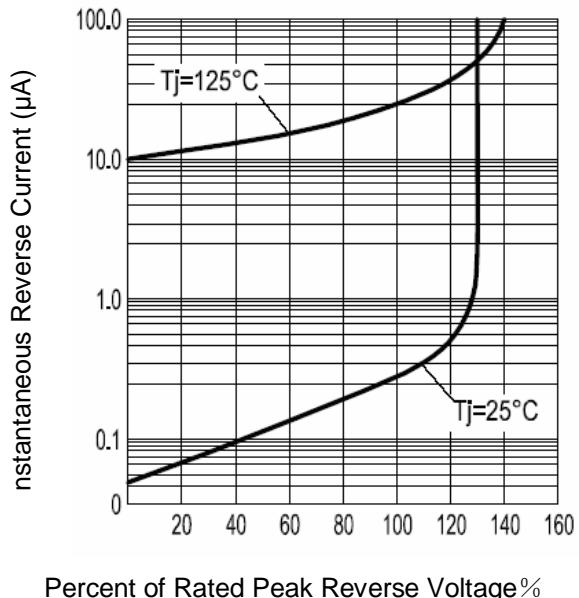


Fig.3 Forward Voltage

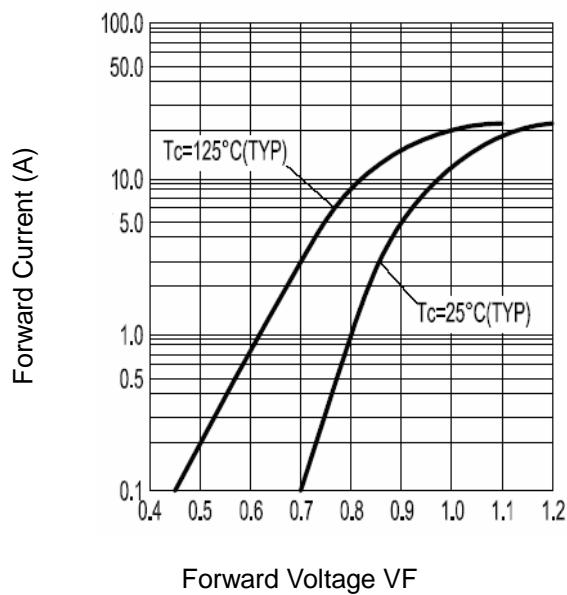
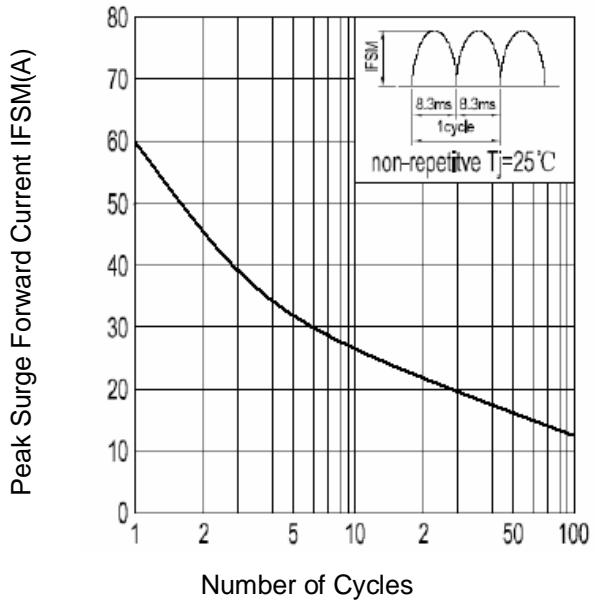
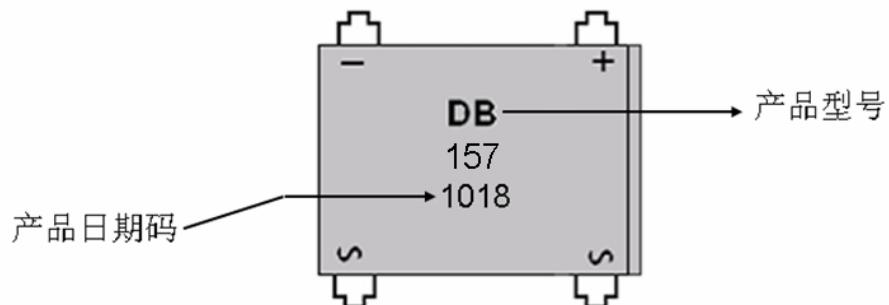


Fig.4 Peak Surge Forward Capability



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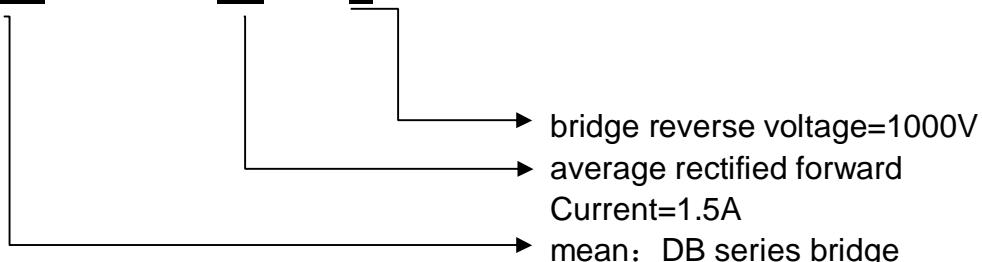
3. Marking Identification



Note:

生产日期码包含4位数字，例如“1018”，前两个数字“10”表示为2010年，另外二个数字“18”是指第18周，即表示该产品为2010年18周生产。

型号： **DB** **15** **7**



4. Dimension

