

D4KB10 Thru D4KB100

High Current Glass Passivated Molding Single-Phase Bridge Rectifier

Reverse Voltage 100 to 1000V Forward Current 4.0 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	D4KB10	D4KB20	D4KB40	D4KB60	D4KB80	D4KB100	Unit
Maximum repetitive voltage	VRRM	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	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 Tc=100°C	Io	4						A
60Hz Sine wave Resistance load TA=40°C		3						A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	IFSM	135						A
Rating of fusing (t<8.3ms)	I ² t	75						A ² sec
Dielectric strength terminals to case, AC 1 minute Current 1mA	Vdia	2.5						KV
Max instantaneous forward voltage at 2.0A	VF	1.1						V
Operating junction temperature	TJ	-55~150						°C
Maximum thermal on P.C.B. without heat-sink	ReJA	14						°C/W
resistance per leg on Al plate heat-sink	ReJC	8.2						
Storage temperature	Tstg	-55~150						°C

D4KB10 Thru D4KB100

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

Fig. 1 Derating Curve

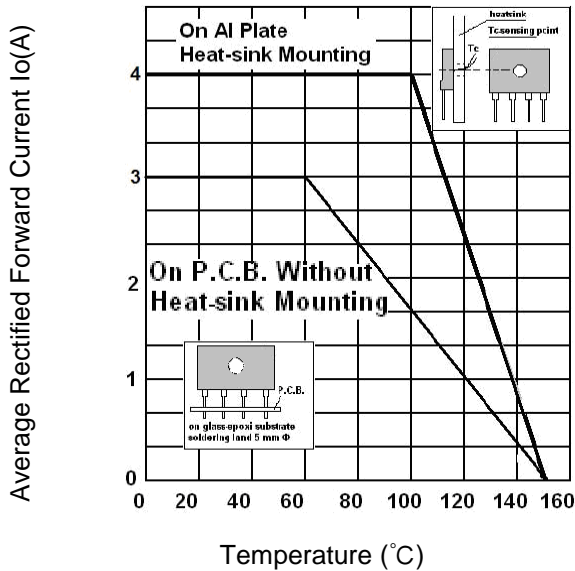


Fig.2 Typical Reverse Characteristics

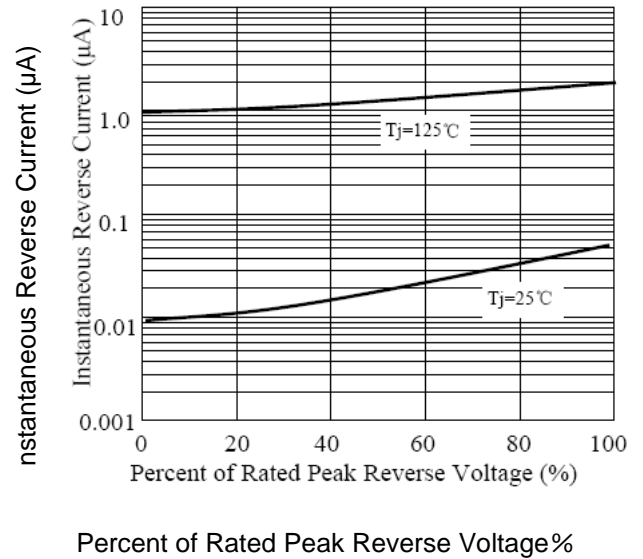


Fig.3 Forward Voltage

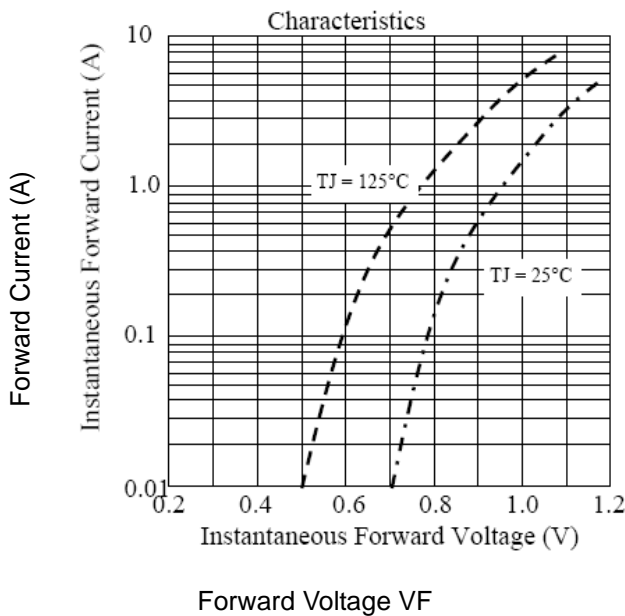
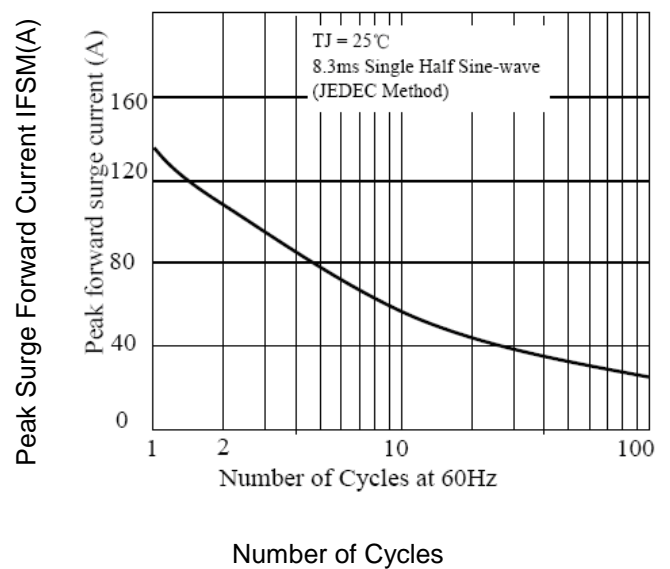
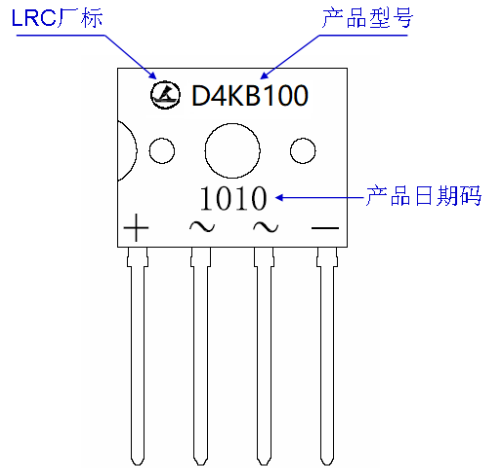


Fig.4 Peak Surge Forward Capability



D4KB10 Thru D4KB100

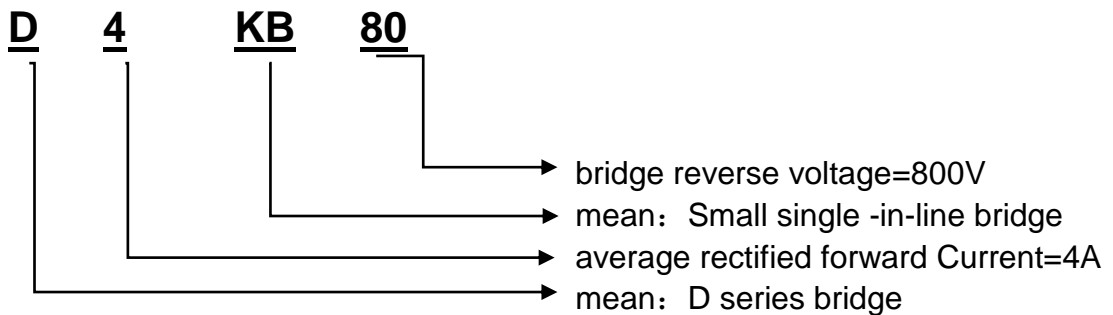
3. Marking Identification



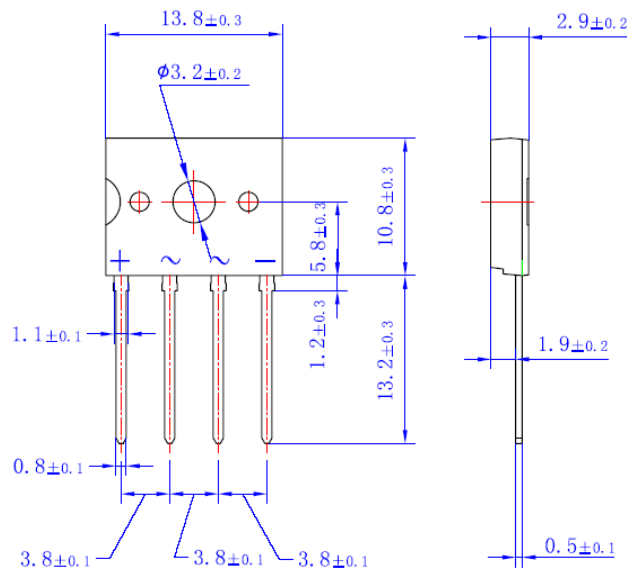
Note:

生产日期码包含4位数字，例如“1010”，前两个数字“10”表示为2010年，另外二个数字“10”是指第10周，即表示该产品为2010年10周生产。

型号:



4. Dimension



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bridge Rectifiers](#) category:

Click to view products by [Leshan](#) manufacturer:

Other Similar products are found below :

[G3SBA60-E351](#) [GBJ1504-BP](#) [GBU10B-BP](#) [GBU15J-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU4D-BP](#) [GBU6B-E3/45](#) [GSIB680-E3/45](#) [DB101-BP](#) [DF10SA-E345](#) [RMB2S](#) [RCG](#) [APT30DF100HJ](#) [APT60DF20HJ](#) [B2S-E3/80](#) [BU1506-E351](#) [BU15085S-E345](#) [BU1508-E3/45](#) [BU1510-E3/45](#) [RS404GL-BP](#) [RS405GL-BP](#) [G3SBA20-E3/51](#) [G5SBA20-E3/51](#) [G5SBA60-E3/51](#) [GBJ1502-BP](#) [GBL02-E351](#) [GBL10-E3/45](#) [GBU10J-BP](#) [GBU4J-BP](#) [GBU4K-BP](#) [GBU8B-E3/45](#) [GBU8D-BP](#) [GBU8J-BP](#) [GSIB1520-E3/45](#) [MB1510](#) [MB352W](#) [MB6M-G](#) [B2M-E345](#) [B40C7000A](#) [B500C7000A](#) [MP5010W-BP](#) [MP501W-BP](#) [MP502-BP](#) [BR1005-BP](#) [BR101-BP](#) [BU1006-E345](#) [BU12065S-E3/45](#) [BU1508-E3/51](#) [BU2006-E3/45](#) [BU2008-E345](#)