



RD6UB80 THRU RD6UB100

Fast Recovery Bridge Rectifiers

Features

- UL recognition, file #E230084
- Glass passivated chip junction

■Maximum Ratings ($T_a=25^\circ\text{C}$ Unless otherwise specified)

PARAMETER		SYMBOL	UNIT	RD6UB80	RD6UB100
Device marking code				RD6UB80	RD6UB100
Maximum Repetitive Peak Reverse Voltage		VRRM	V	800	1000
Maximum RMS Voltage		VRMS	V	560	700
Maximum DC blocking Voltage		VDC	V	800	1000
Average rectified output current @60Hz sine wave, R-load	With heatsink T _C =130	I _O	A	6.0	
	Without heatsink T _a =25			1.5	
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, T _J =25		I _{FSM}	A	150	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _J =25				300	
Current squared time @1ms≤t≤8.3ms T _J =25 , Rating of per diode		I ² t	A ² s	93.4	
Storage temperature		T _{stg}			



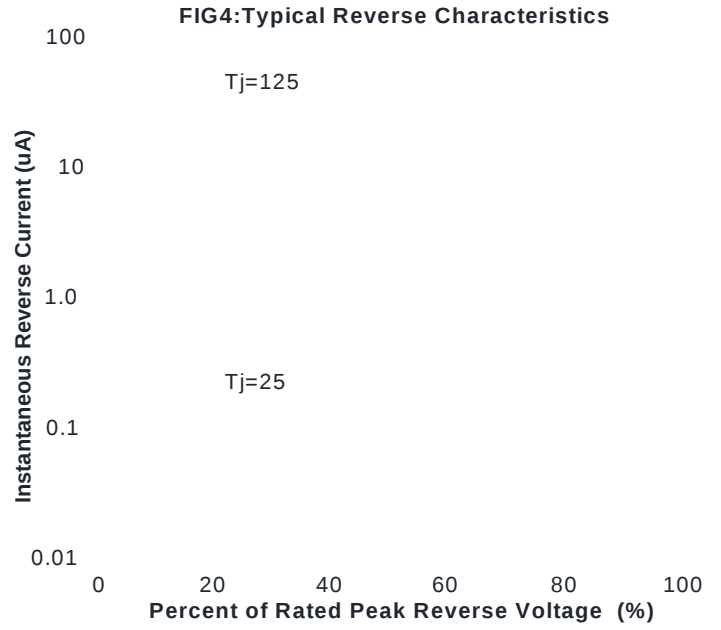
RD6UB80 THRU RD6UB100

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	RD6UB80	RD6UB100
Maximum reverse recovery time	t_{rr}	ns	$I_F=0.5A, I_R=1.0A,$ $I_{rr}=0.25A$	500	
Maximum instantaneous forward voltage drop per diode	V_F	V	I		



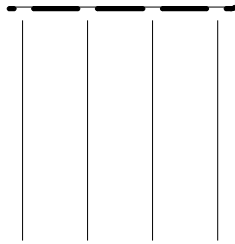
RD6UB80 THRU RD6UB100





■ Outline Dimensions

D3K



Dimensions in millimeters

D3K		
Dim	Min	Max
A	13.30	14.30
B	10.30	11.30
C	6.40	7.40
D	4.50	5.50
E	1.05	1.45
F	0.60	0.85
G	3.70	3.90
H	13.10	13.50
I	2.60	3.60
J	3.10	3.40
K	2.00	2.20
L	0.40	0.60
M	0.90	1.50



RD6UB80 THRU RD6UB100

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.