



RD6UB80 THRU RD6UB100

Fast Recovery Bridge Rectifiers

Features

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

■Maximum Ratings (T_a=25 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}			



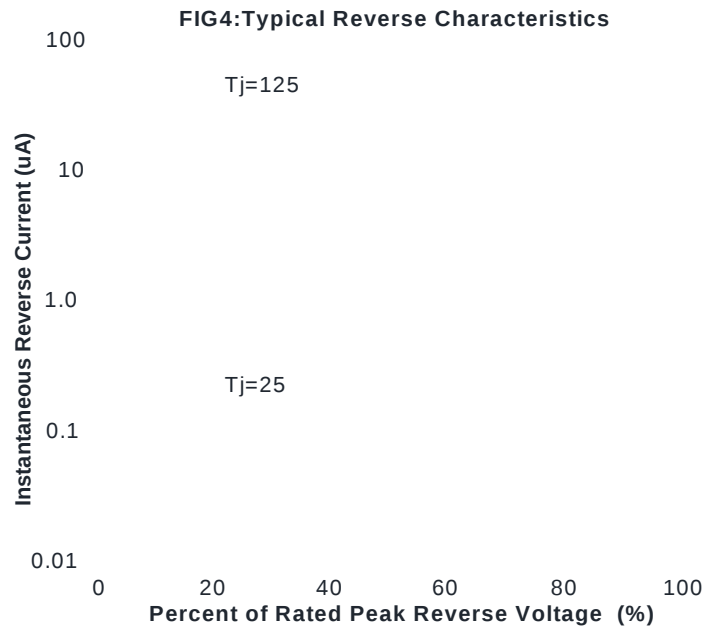
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■Electrical Characteristics $T_a=25$ Unless otherwise specified

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		



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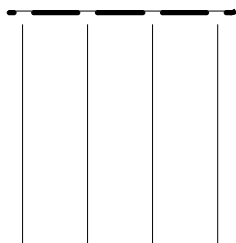




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■ Outline Dimensions

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



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