



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 $T_c=130$	IO	A	6.0
	Without heatsink $T_a=25$			1.5
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	IFSM	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^2t	A^2s	93.4	

Storage temperature

T_{stg}



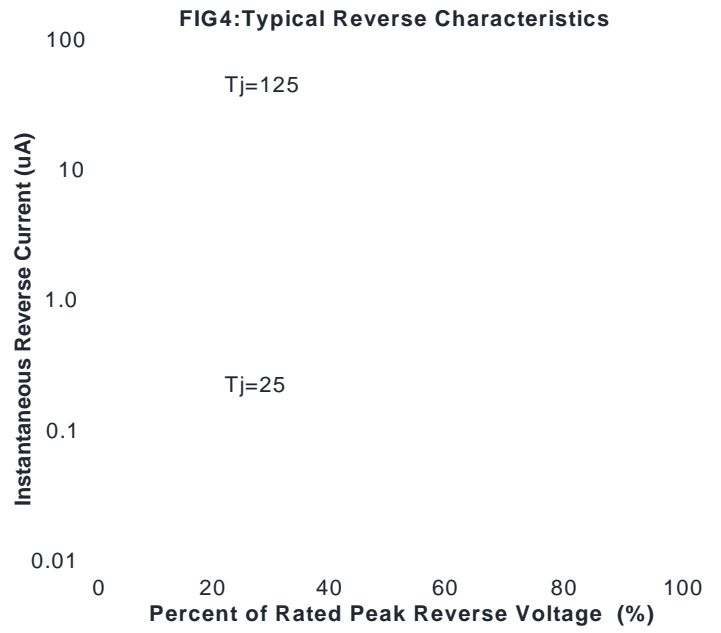
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Electrical Characteristics $T_a=25$ Unless otherwise specified

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



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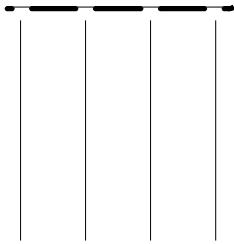




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Outline Dimensions

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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