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: Tin plated leads, solderable per
J-STD-002 and JESD22-B102
As marked on body

($T_a=25$ Unless otherwise specified)

Device marking code				RD8UB80	RD8UB100
Maximum Repetitive Peak Reverse Voltage		VRRM	RRM		VDC V

Average rectified output current @60Hz sine wave, R-load		With heatsink $T_c=120$	IO	A	8.0
		Without heatsink $T_a=25$			1.5
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$		IFSM	A	160	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$				320	
Current squared time @1ms t 8.3ms $T_j=25$, Rating of per diode		I^2t	A^2s	106.2	
Storage temperature		T_{stg}			



$T_a=25$ Unless otherwise specified

Maximum reverse recovery time	t_r	ns	$I_F=0.5A, I_R=1.0A,$ $I_{rr}=0.25A$	500
Maximum instantaneous forward voltage drop per diode	V_F	V	IFM=4.0A	1.3
Maximum DC reverse current at rated DC blocking voltage per diode	IR	μA	$T_j=25$	5
			$T_j=125$	100
Typical junction capacitance	C_j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	47

$T_a=25$ Unless otherwise specified

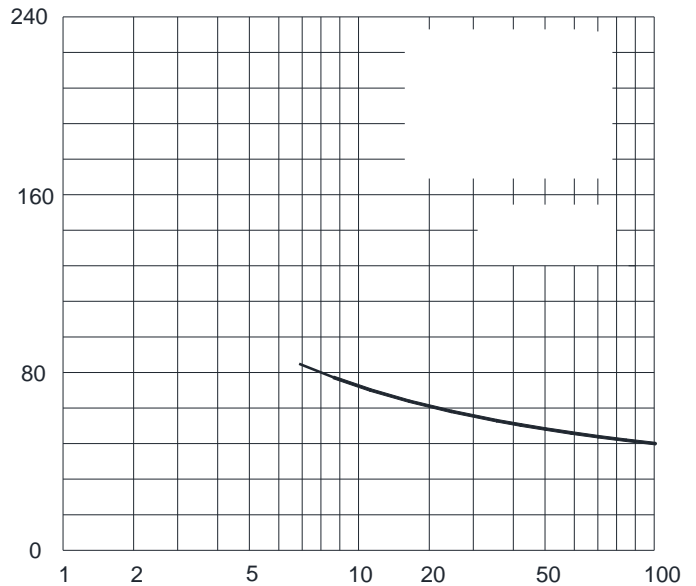
Thermal resistance	Between junction and ambient, Without heatsink	R J-A	/W	55.0
	Between junction and case, With heatsink	R J-C		1.5

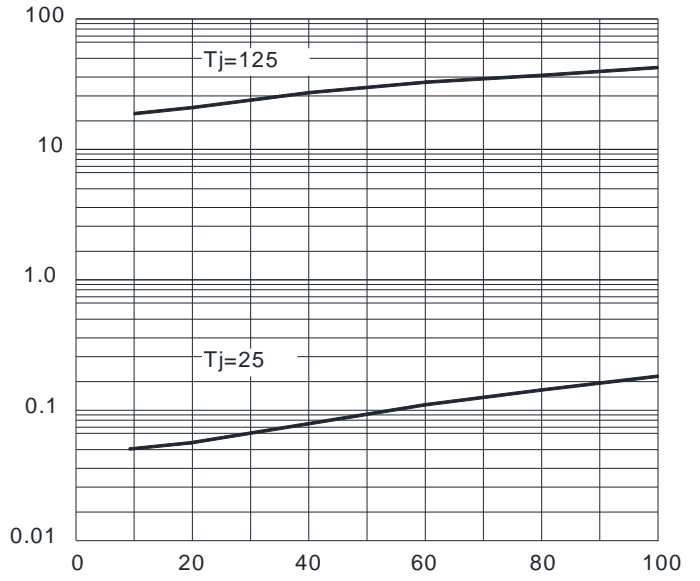
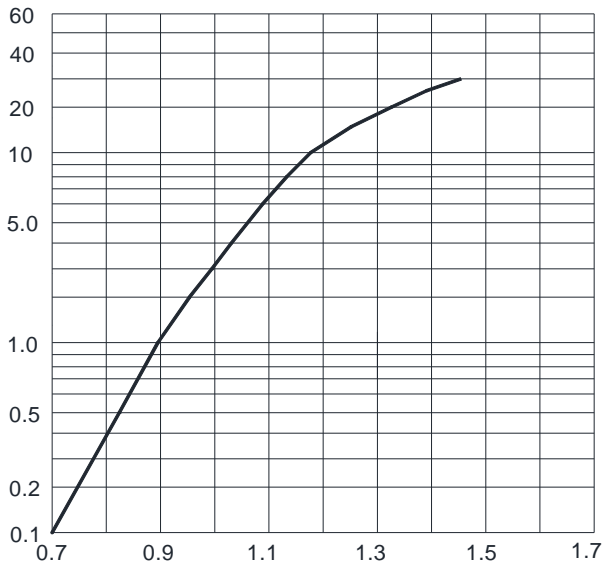
Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

(Example)

RD8UB80-RD8UB100	B1	Approximate 1.269	25 S	1500 80	6000	TUBE
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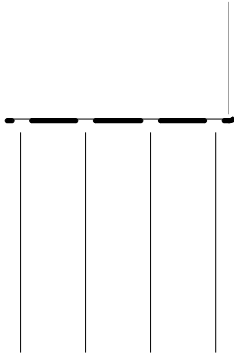
(Typical)







D3K



Dimensions in millimeters

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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