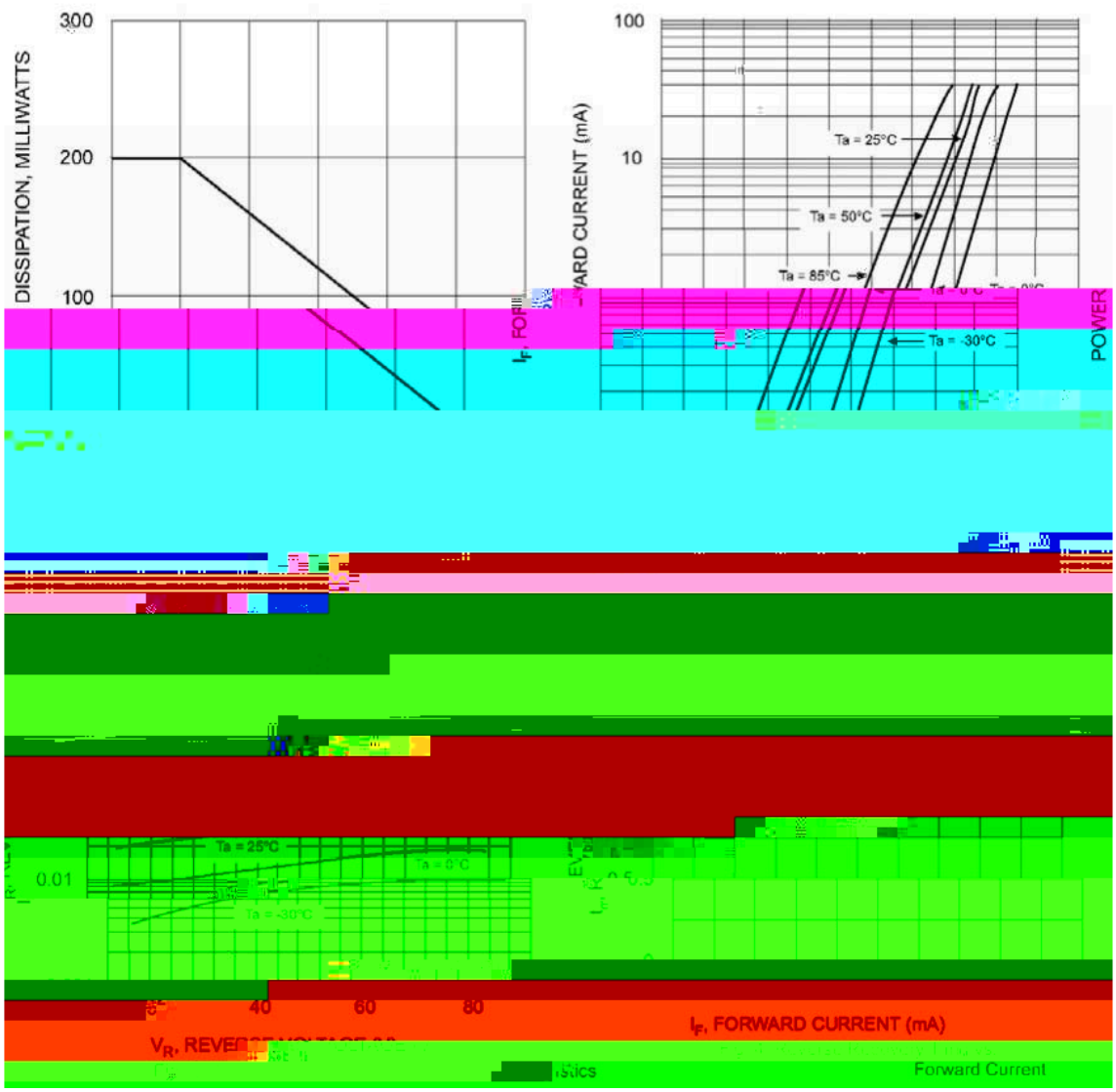


Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	100	V
Reverse Voltage	V_R	80	V
Average Rectified Forward Current	$I_{F(AV)}$	150	mA
Forward Continuous Current	I_{FM}	300	mA
Non-Repetitive Peak Forward Surge Current (at t = 1 µs)	I_{FSM}	0.5	A
Power Dissipation	P_d	200	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	- 65 to + 150	°C

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I_F = 5 mA at I_F = 10 mA at I_F = 100 mA at I_F = 150 mA	V_F	 0.62 - - -	 0.72 0.855 1 1.25	V
Reverse Leakage Current at V_R = 80 V at V_R = 20 V at V_R = 75 V, T_J = 150 °C at V_R = 25 V, T_J = 150 °C	I_R	 - - - -	 100 25 50 30	 nA nA µA µA
Reverse Breakdown Voltage at I_R = 100 µA	$V_{(BR)R}$	80	-	V
Total Capacitance at V_R = 0.5 V, f = 1 MHz	C_{tot}	-	4	pF
Reverse Recovery Time at $I_F = I_R$ = 10 mA, I_{rr} = 0.1 X I_R , R_L = 100 Ω	t_{rr}	-	4	ns


300
200
100
DISSIPATION, MILLIWATTS
100
10
Ta = 25°C
Ta = 50°C
Ta = 85°C
Ta = -30°C
POWER
Ta = 25°C
0.01
40
60
80
I_F, FORWARD CURRENT (mA)
Forward Current

Ordering information

Package	PackiP	i P	n	ط

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