High Speed Switching Diode

FEATURES

High Voltage

Pinning

1.Cathode	2.Anode



SOD-323

Marking Code	
MMDL914	5D

MAXIMUM RATINGS (T_a=25 unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RRM}	Maximum Repetitive Reverse Voltage	100	V
I_O	Forward Current	0.2	A
I_{FSM}	Non-repetitive Peak Forward Surge Current @t= 8.3ms	2	
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	500	/W
T_j	Junction Temperature	150	
T_{stg}	Storage Temperature	-55~+150	

ELECTRICAL CHARACTERISTICS(T_a=25 unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	I_R=100μA	100			V
Reverse current	I_R	V_R=20V			25	nA
		V_R=75V			5	μA
Forward voltage	V_F	I_F=10mA			1	V
Total capacitance	C_{tot}	V_R=0V,f=1MHz			4	pF
Reverse recovery time	t_{rr}	I_F= I_R=10mA, I_{rr}=0.1×I_R, R_L=100Ω			4	ns

Package	Packing Description	Packing Quantity
SOD-323	Tape/Reel,7”reel	3000PCS/Reel 120000PCS/Carton

Package Dimensions

SOD-323

Dim.	Millimeter(mm)		mil	
	Min.	**Max.**	**Min.**	**Max.**
A	0.8	1.1	32	43
C	0.08	0.15	3.1	5.9
D	1.2	1.4	47	55
E	1.4	1.8	63	70
E1	2.55	2.75	100	108
b	0.25	0.4	9.8	16
L1	0.2	0.45	7.9	16
A1	-	0.2	-	8
	9°			

The recommended mountimo n ded IM