



## Features

- Peak Forward Current:  $I_{FM} = 1A$
- Power Dissipation of 250mW

## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
PMEG2010EA,135	SOD-323	SJ	3000



SOD-323



## Maximum Ratings (Ta=25°C unless otherwise noted)

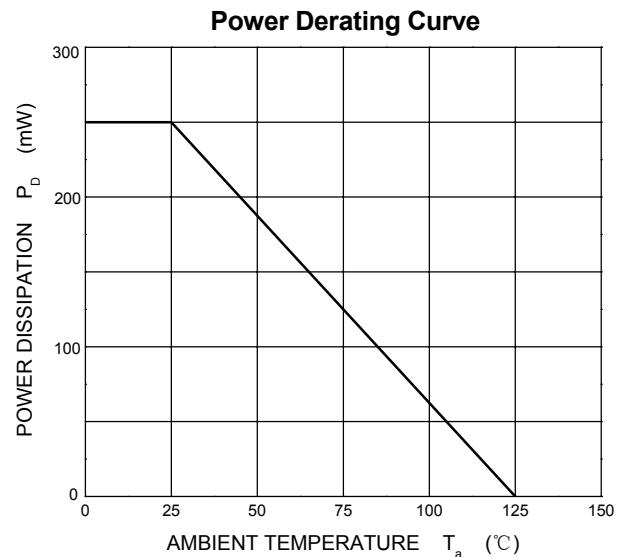
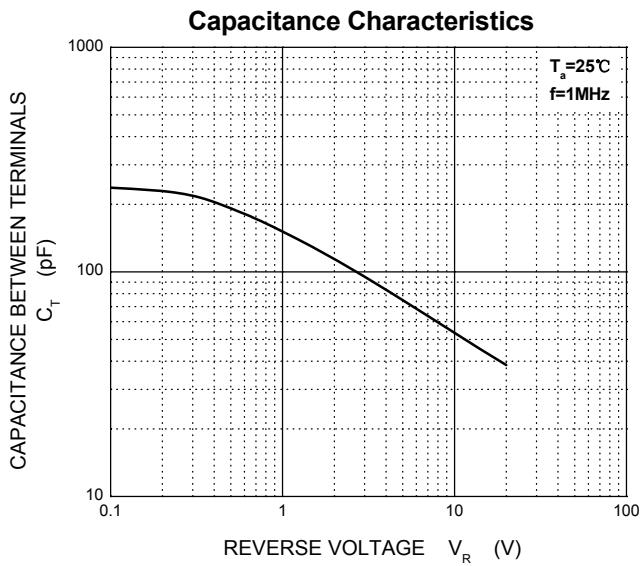
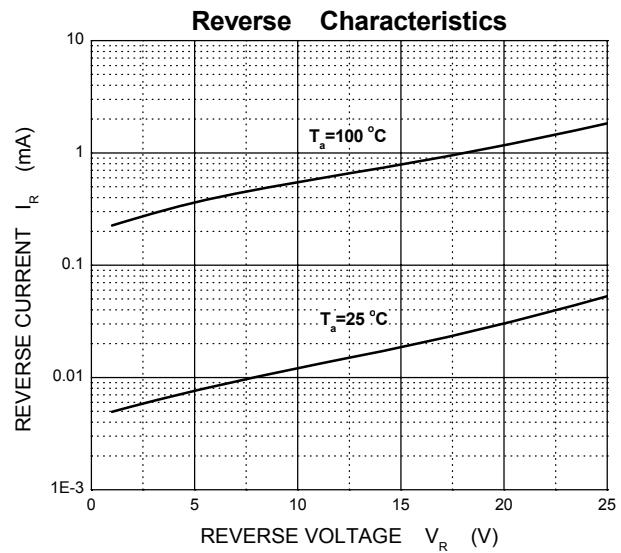
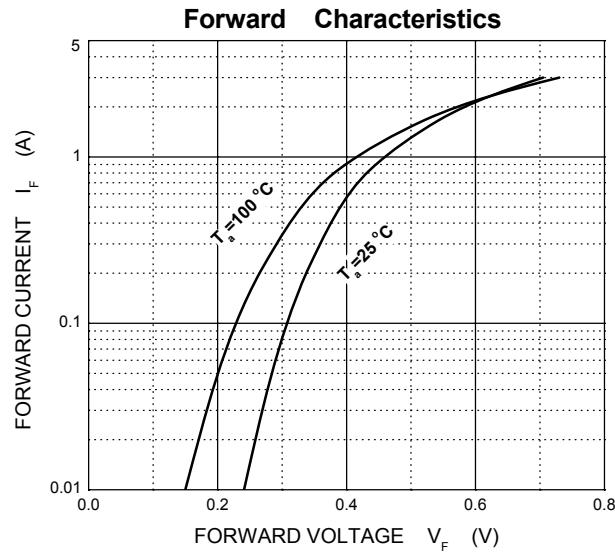
Parameter	Symbol	Value	Unit
Reverse Voltage	$V_R$	20	V
Average Forward Rectified Current	$I_{F(AV)}$	1	A
Non-Repetitive Peak Forward Surge Current (8.3 ms Single Half Sine-Wave)	$I_{FSM}$	25	A
Power Dissipation	$P_{tot}$	250	mW
Operating Temperature Range	$T_j$	125	°C
Storage Temperature Range	$T_{stg}$	- 55 to + 125	°C

## Electrical Characteristics(Ta=25°C unless otherwise specified)

Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 1$ mA	$V_{(BR)R}$	20	-	V
Reverse Current at $V_R = 20$ V	$I_R$	-	1	mA
Forward Voltage at $I_F = 1$ A at $I_F = 3$ A	$V_F$	-	0.45 0.75	V
Total Capacitance at $V_R = 4$ V, $f = 1$ MHz	$C_{tot}$	-	120	pF



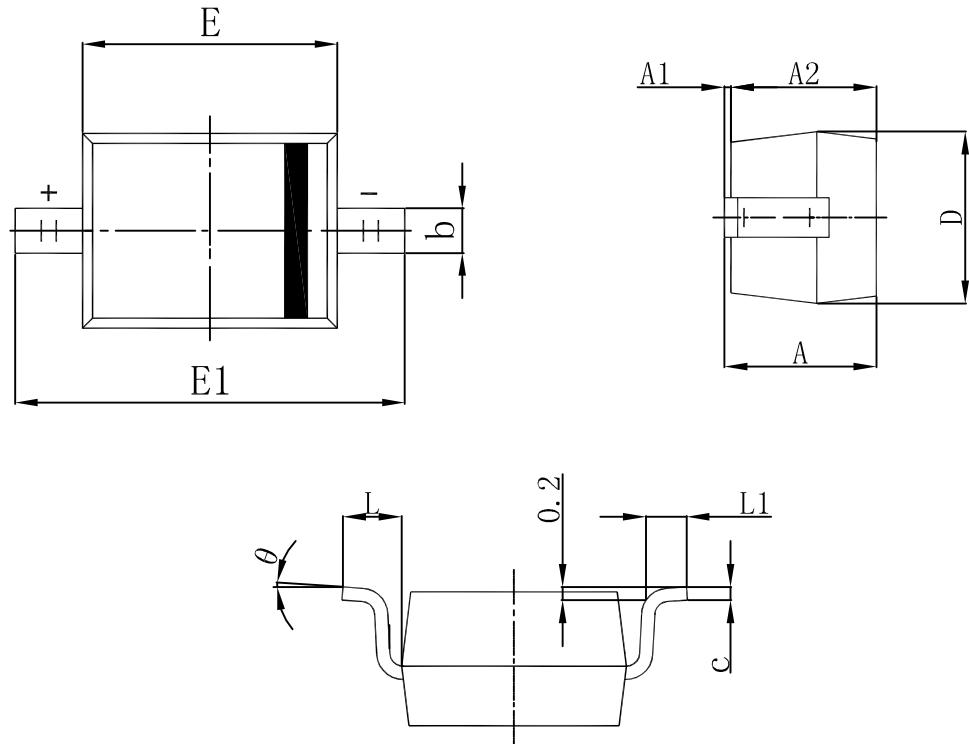
## Typical Characteristics





### Package Outline Dimensions

SOD-323



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A		1.100		0.043
A1	0.000	0.100	0.000	0.004
A2	0.800	1.000	0.031	0.039
b	0.250	0.350	0.010	0.014
c	0.080	0.150	0.003	0.006
D	1.200	1.400	0.047	0.055
E	1.600	1.800	0.063	0.071
E1	2.500	2.750	0.098	0.108
L	0.475 REF		0.019 REF	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°



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