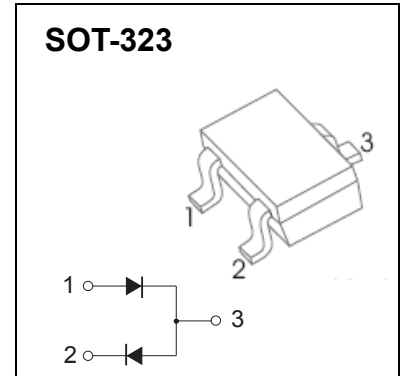
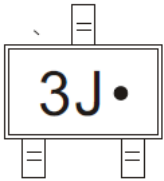


## FEATURES

- Small package
- Low  $V_F$  and low  $I_R$
- High reliability

## MARKING: 3J •



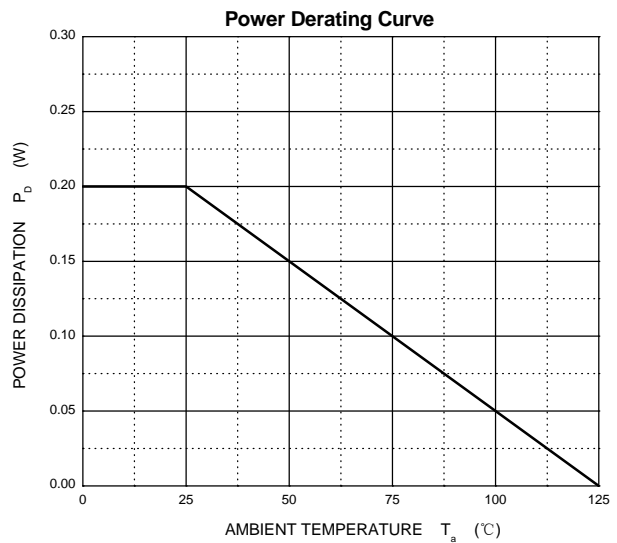
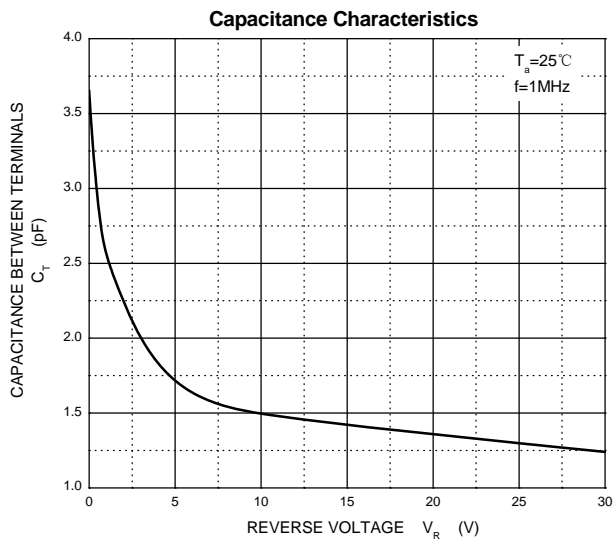
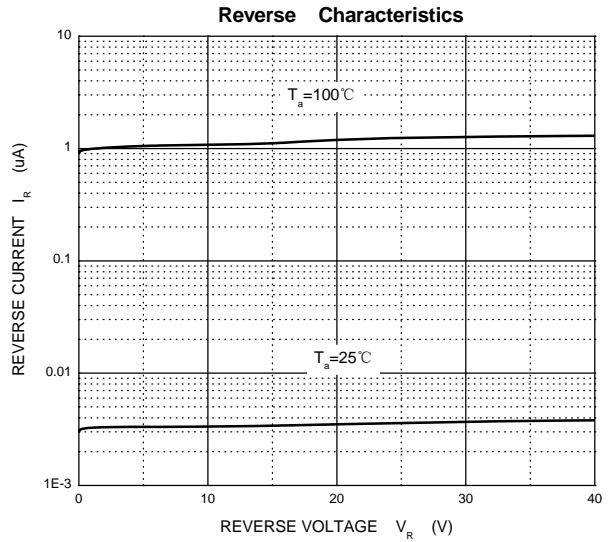
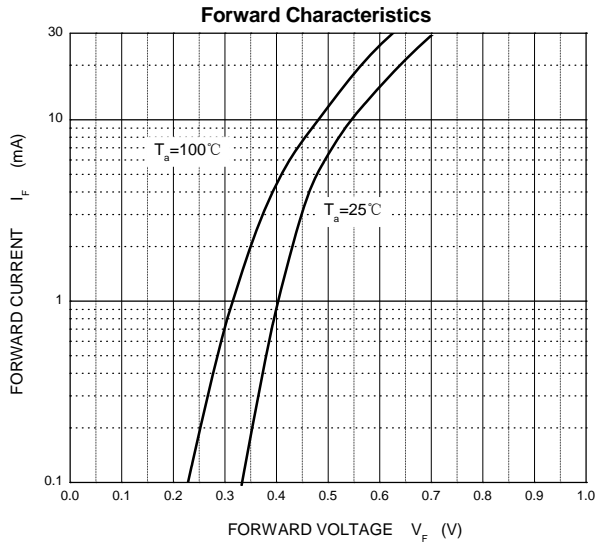
## Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Peak reverse voltage	$V_{RM}$	45	V
DC reverse voltage	$V_R$	40	V
Mean rectifying current	$I_O$	30	mA
Non-repetitive Peak Forward Surge Current@t=8.3ms	$I_{FSM}$	200	mA
Power dissipation	$P_D$	200	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	500	°C/W
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-55+150	°C

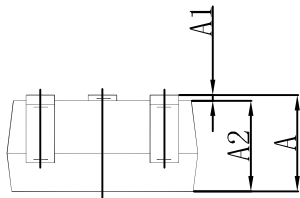
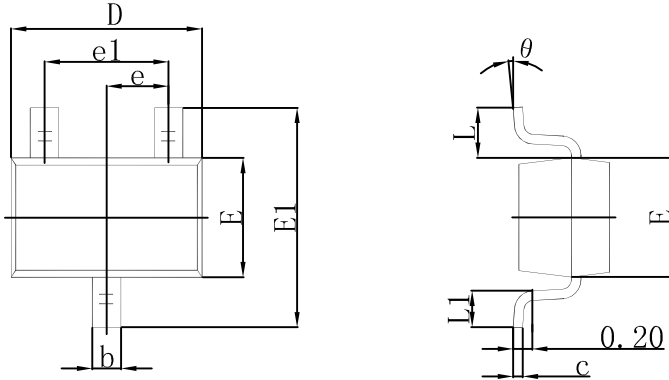
## Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_F$			0.37	V	$I_F=1mA$
Reverse current	$I_R$			1	μA	$V_R=10V$
Capacitance between terminals	$C_T$		2		pF	$V_R=1V, f=1MHZ$

## Typical Characteristics

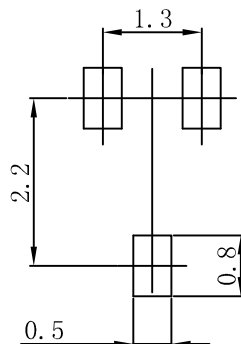


## SOT-323 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.200	0.400	0.008	0.016
c	0.080	0.150	0.003	0.006
D	2.000	2.200	0.079	0.087
E	1.150	1.350	0.045	0.053
E1	2.150	2.450	0.085	0.096
e	0.650 TYP		0.026 TYP	
e1	1.200	1.400	0.047	0.055
L	0.525 REF		0.021 REF	
L1	0.260	0.460	0.010	0.018
$\theta$	0°	8°	0°	8°

## SOT-323 Suggested Pad Layout



- Note:
- Controlling dimension: in millimeters.
  - General tolerance:  $\pm 0.05\text{mm}$ .
  - The pad layout is for reference purposes only.