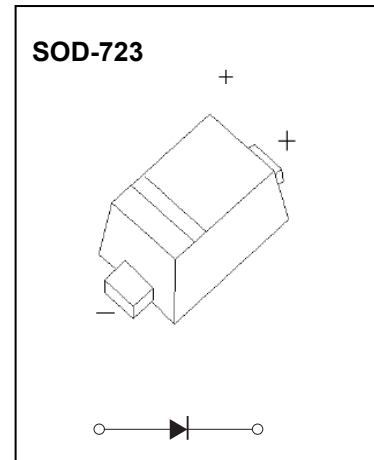


## FEATURES

- Small surface mounting type
- High reliability



## MARKING: F



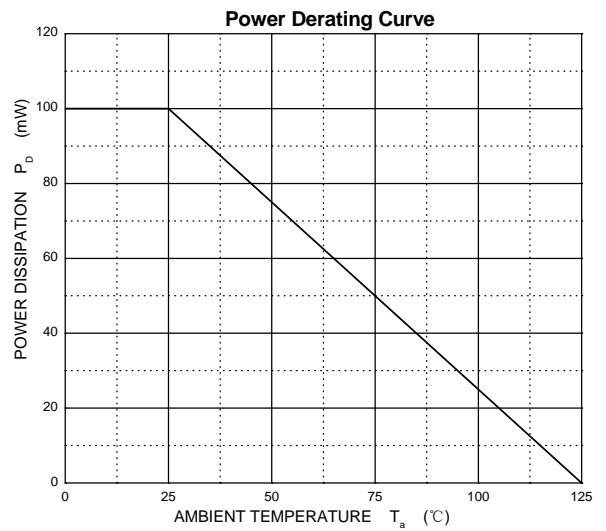
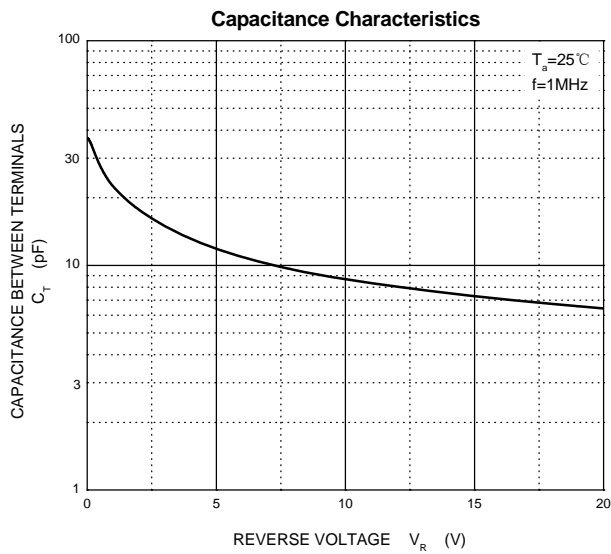
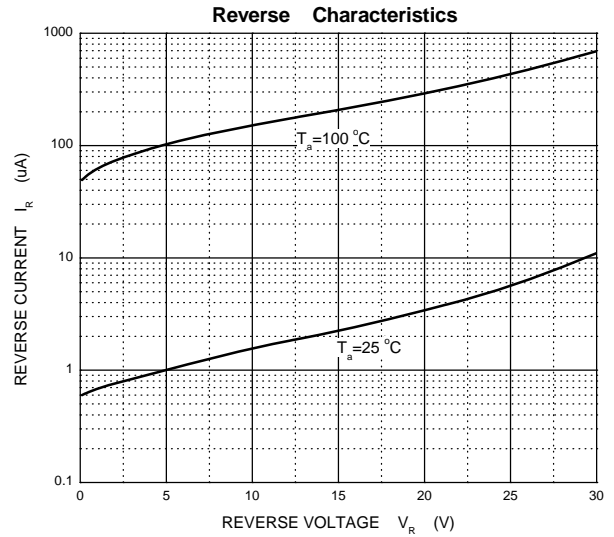
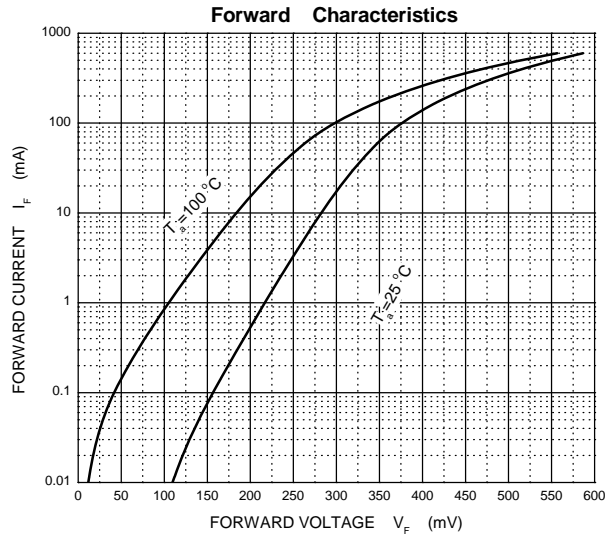
## Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limit	Unit
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	200	mA
Non-repetitive Peak forward surge current @ t=8.3ms	$I_{FSM}$	1	A
Power dissipation	$P_D$	100	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	1000	°C/W
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-55~+150	°C

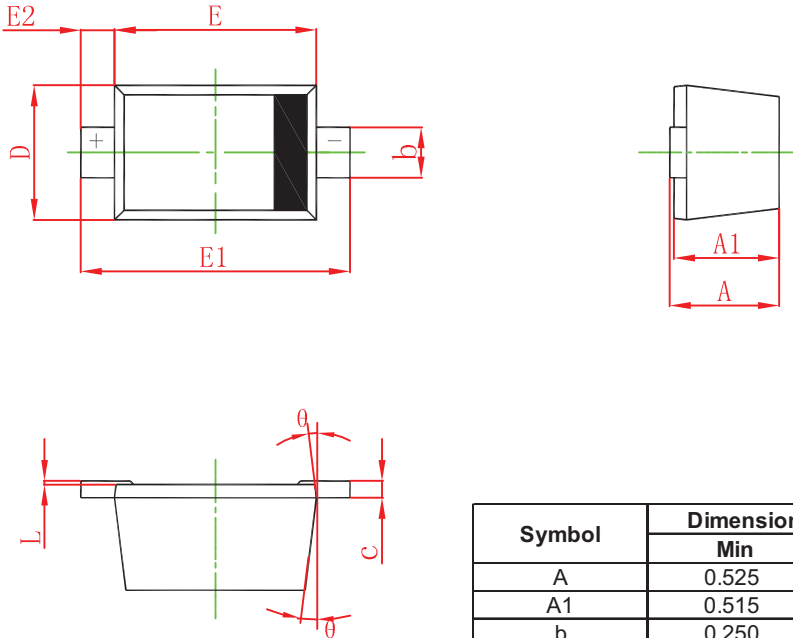
## Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_{F1}$			0.35	V	$I_F=10mA$
	$V_{F2}$			0.5	V	$I_F=200mA$
Reverse current	$I_R$			10	$\mu A$	$V_R=10V$

## Typical Characteristics

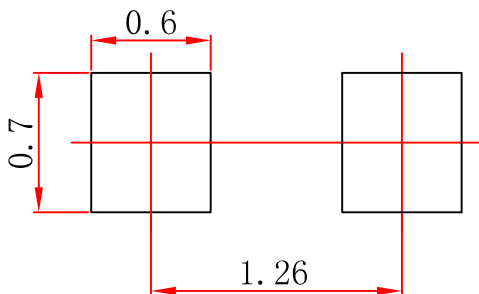


## SOD-723 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.525	0.650	0.021	0.026
A1	0.515	0.580	0.020	0.023
b	0.250	0.350	0.010	0.014
c	0.080	0.150	0.003	0.006
D	0.550	0.650	0.022	0.026
E	0.900	1.100	0.035	0.043
E1	1.300	1.500	0.051	0.059
E2	0.200 REF		0.008 REF	
L	0.010	0.070	0.001	0.003
$\theta$	7° REF		7° REF	

## SOD-723 Suggested Pad Layout



**Note:**

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

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