



## Features

- Average Rectified Output Current: $I_O=100\text{mA}$
- Power Dissipation of 100mW

## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
RKD700KL#R1	SOD-723	E	8000



SOD-723



## Maximum Ratings ( $T_a=25^{\circ}\text{C}$ unless otherwise noted)

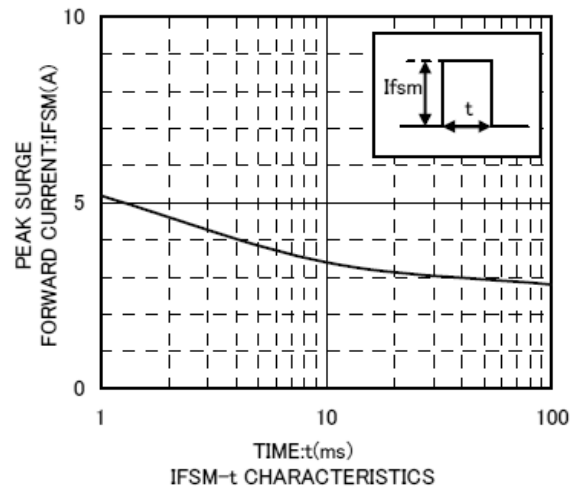
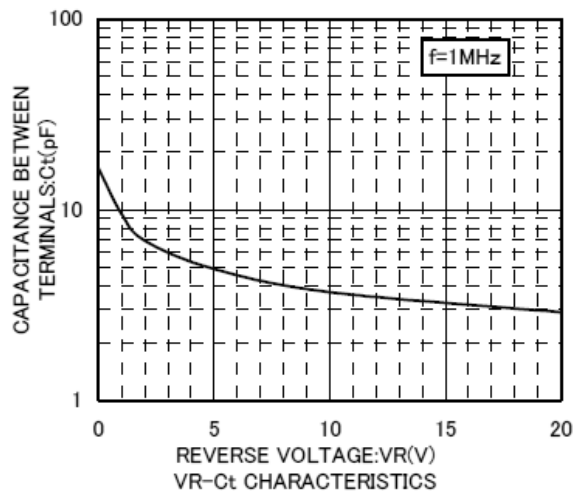
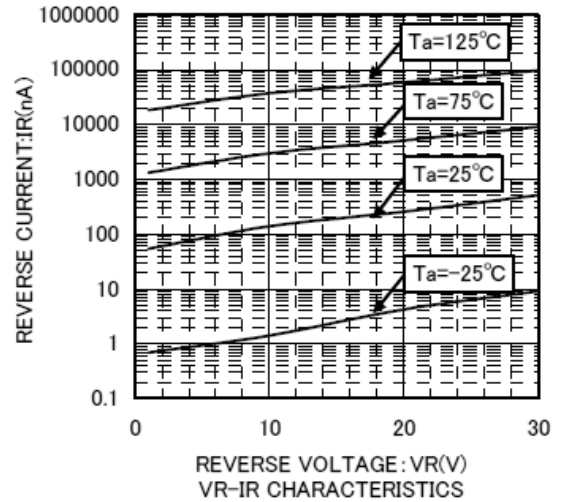
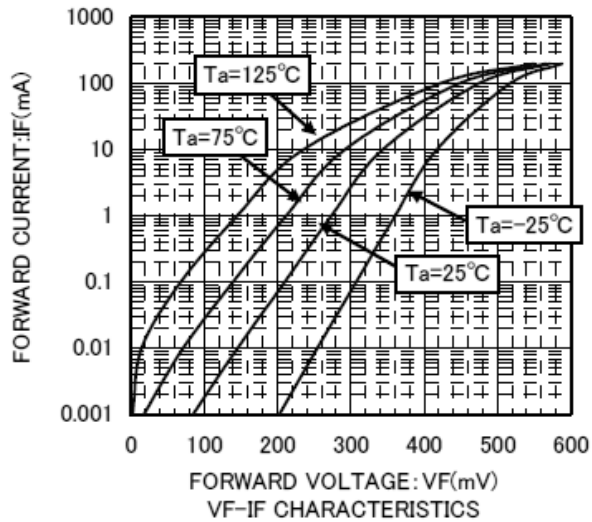
Parameter	Symbol	Limit	Unit
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	100	mA
Non-repetitive Peak Forward Surge Current@ $t=8.3\text{ms}$	$I_{FSM}$	500	mA
Power dissipation	$P_D$	100	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	700	$^{\circ}\text{C/W}$
Junction temperature	$T_J$	125	$^{\circ}\text{C}$
Storage temperature	$T_{stg}$	-55~+150	$^{\circ}\text{C}$

## Electrical Characteristics ( $T_a=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_F$			0.45	V	$I_F=10\text{mA}$
Reverse current	$I_R$			0.5	$\mu\text{A}$	$V_R=10\text{V}$



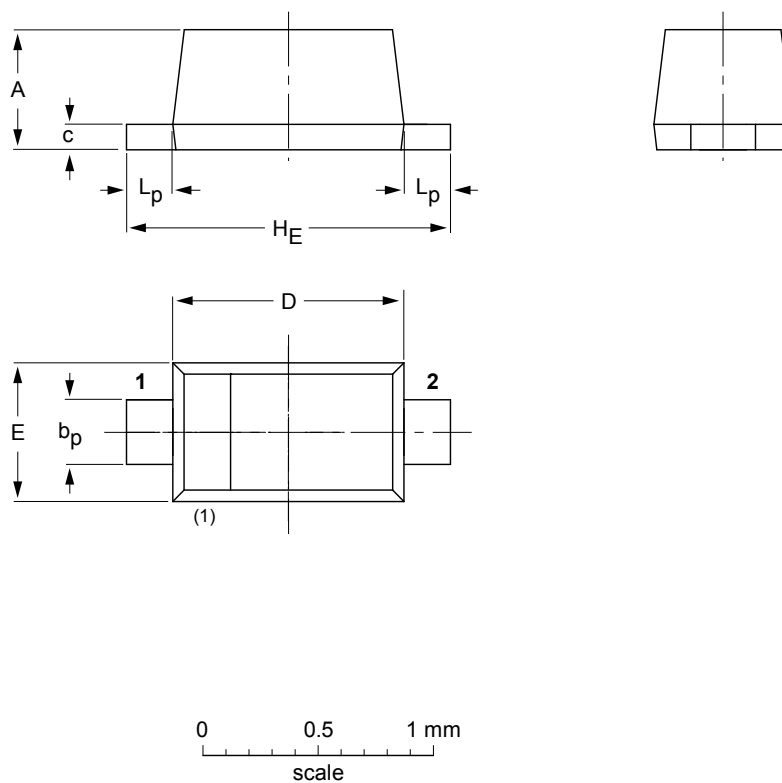
## Typical Characteristics





## Package Outline Dimensions

SOD-723



**DIMENSIONS (mm are the original dimensions)**

UNIT	A	b <sub>p</sub>	c	D	E	H <sub>E</sub>	L <sub>p</sub>
mm	0.55 0.49	0.32 0.25	0.15 0.08	1.05 0.95	0.65 0.55	1.45 1.35	0.27 0.13



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