



Features

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



SOD-723



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
RB520G-30	SOD-723	E	8000

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

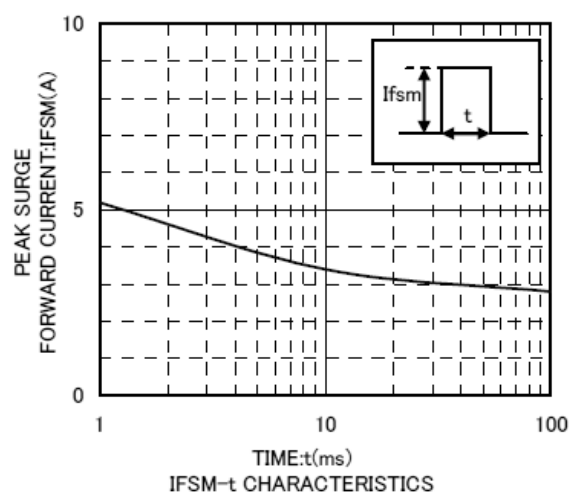
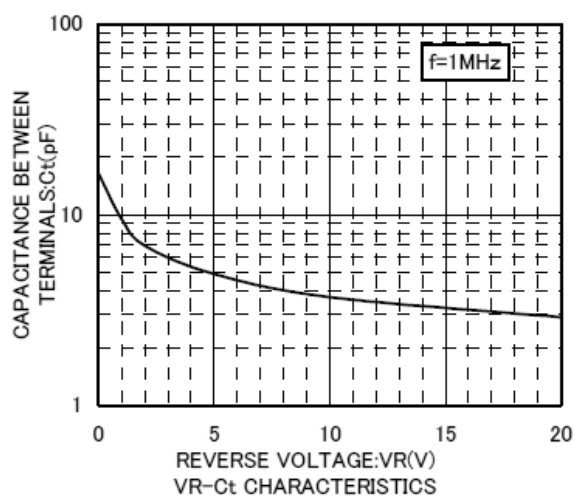
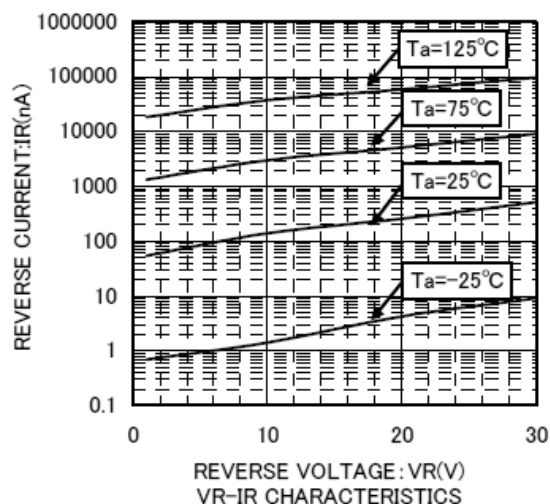
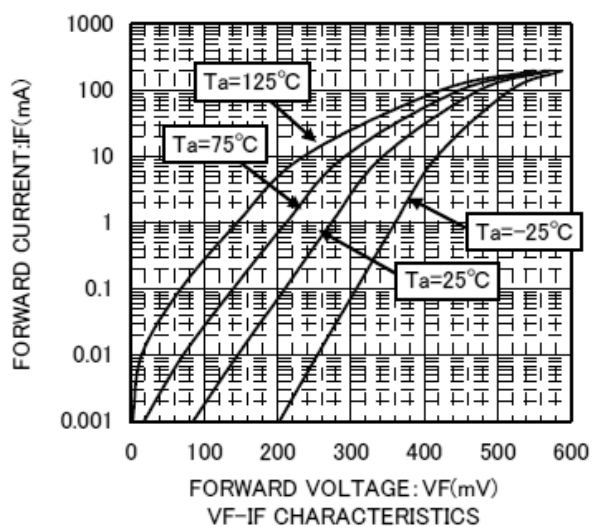
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	100	mA
Non-repetitive Peak Forward Surge Current@ $t=8.3\text{ms}$	I_{FSM}	500	mA
Power dissipation	P_D	100	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	700	$^{\circ}\text{C/W}$
Junction temperature	T_j	125	$^{\circ}\text{C}$
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	μA	$V_R=10\text{V}$



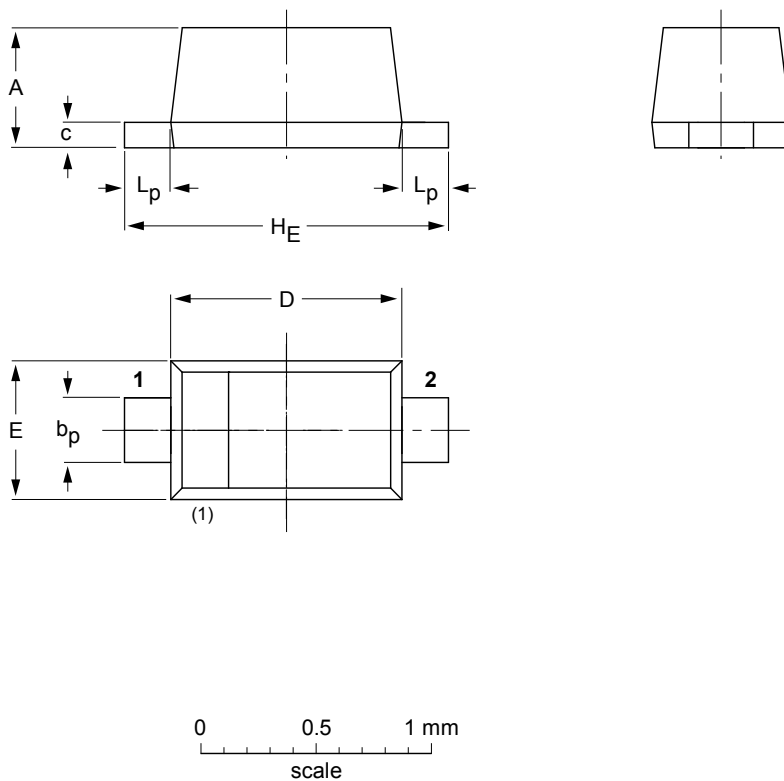
Typical Characteristics





Package Outline Dimensions

SOD-723



DIMENSIONS (mm are the original dimensions)

UNIT	A	b _p	c	D	E	H _E	L _p
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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