NSR0230M2T5G
SCHOTTKY BARRIER DIODE

Features

- Average Rectified Output Current: I_O=100 mA
- Power Dissipation of 100mW

SOD-723

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
NSR0230M2T5G	SOD-323	E	8000

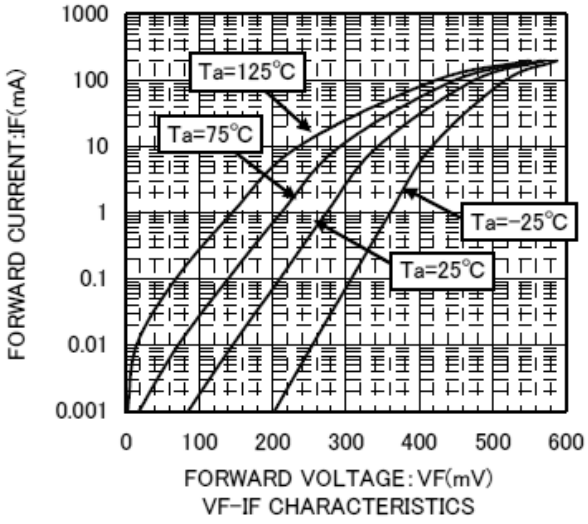
Maximum Ratings (Ta=25°C unless otherwise noted)

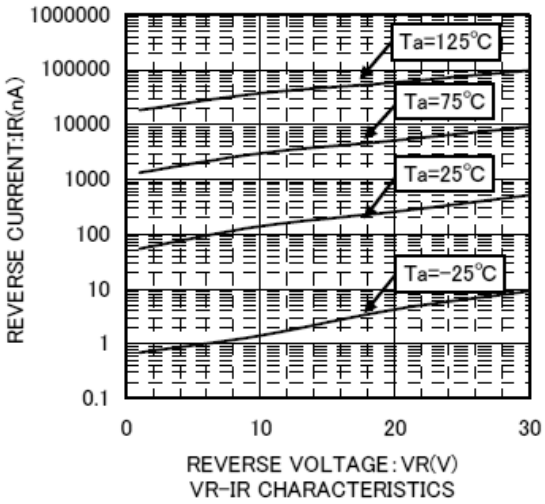
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	100	mA
Non-repetitive Peak Forward Surge Current@t=8.3ms	I_{FSM}	500	mA
Power dissipation	P_D	100	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	700	°C/W
Junction temperature	T_j	125	°C
Storage temperature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

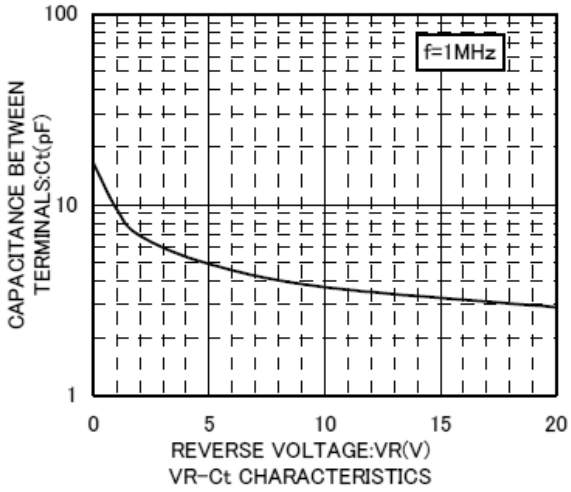
Electrical Characteristics (Ta=25°C unless otherwise specified)

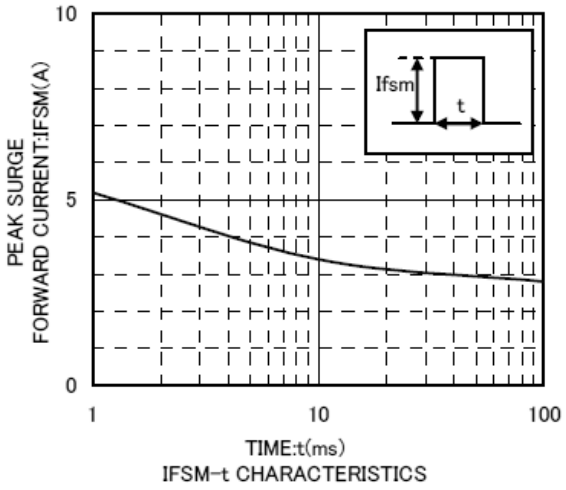
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.45	V	I_F=10mA
Reverse current	I_R			0.5	μA	V_R=10V

Typical Characteristics



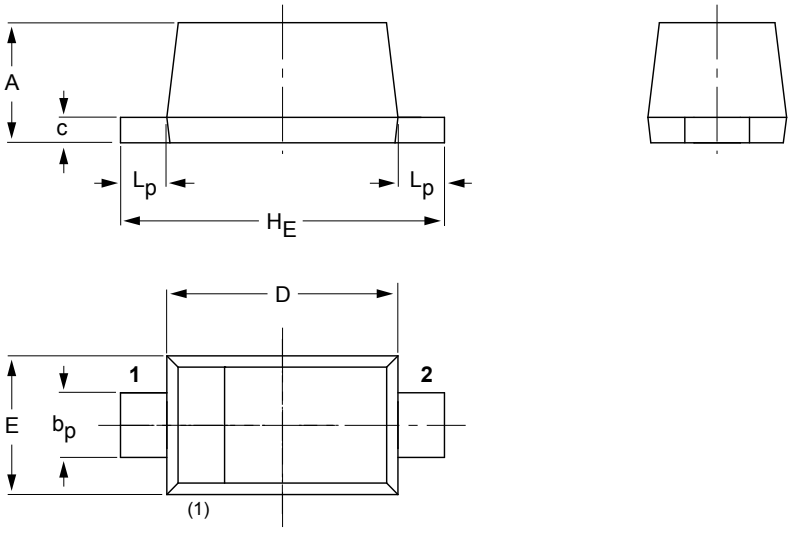


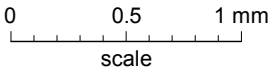




Package Outline Dimensions

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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