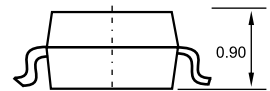
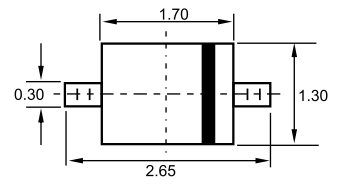



**SOD-323**


Dimensions in inches and (millimeters)

**Features**

- ✧ Low current rectifier Schottky diode
- ✧ Low voltage, low inductance
- ✧ For power supply

**Maximum Ratings and Electrical Characteristics**

Rating at 25°C ambient temperature unless otherwise specified.

**Maximum Ratings**

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	40	V
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	0.03	A
Peak forward surge current	$I_{FSM}$	0.2	A
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40~+125	°C

**Electrical Ratings**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$			0.37	V	$I_F=1mA$
Reverse current	$I_R$			0.5	$\mu A$	$V_R=30V$
Capacitance between terminals	$C_T$		2		pF	$V_R=1V, f=1MHZ$

## Typical Characteristics

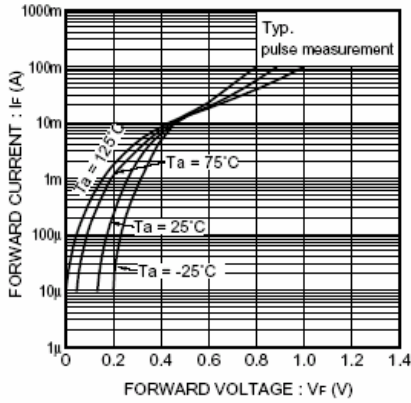


Fig. 1 Forward characteristics

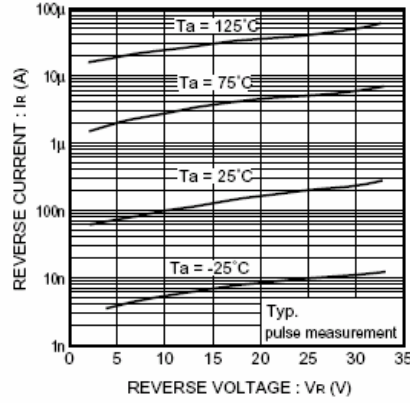


Fig. 2 Reverse characteristics

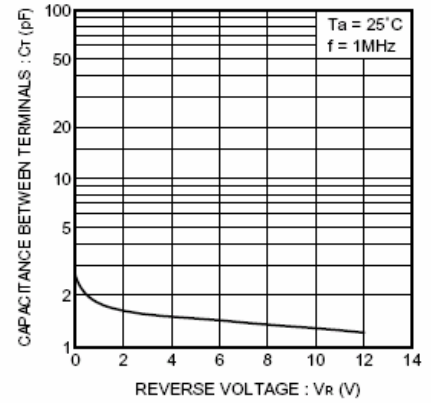


Fig. 3 Capacitance between terminals characteristics

PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
SOD-323	3000/REEL	180000	44X44X22	9.00	8.00