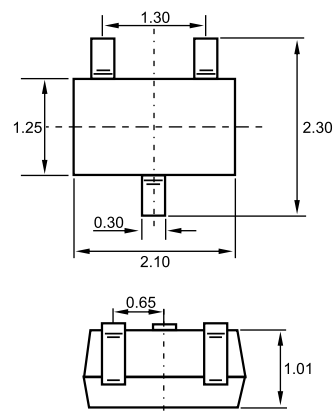

**SOT-323**


Dimensions in inches and (millimeters)

**Features**

- ✧ Power dissipation  $P_D=200\text{mW}$ .
- ✧ Two diode elements are connected in series.

**Applications**

- ✧ High speed switching application.

**Ordering Information**

Type No.	Marking	Package Code
DA204U	K	SOT-323

**MAXIMUM RATING @  $T_a=25^\circ\text{C}$  unless otherwise specified**

Characteristic	Symbol	Limits	Unit
Reverse Voltage	$V_R$	20	V
Forward Current(DC)	$I_F$	200	mA
Surge forward Current	$I_{FS}$	300	mA
	$t=1\mu\text{s}$		
Power Dissipation	$P_D$	200	mW
Operating Junction Temperature Range	$T_j$	150	$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-55 to +150	$^\circ\text{C}$

**ELECTRICAL CHARACTERISTICS @  $T_a=25^\circ\text{C}$  unless otherwise specified**

Characteristic	Symbol	Min	MAX	UNI T	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	20	-	V	$I_R=100\mu\text{A}$
Forward Voltage	$V_F$	-	1.0	V	$I_F=10\text{mA}$
Reverse Leakage Current	$I_R$	-	0.1	$\mu\text{A}$	$V_R=15\text{V}$

TYPICAL CHARACTERISTICS @  $T_a=25^\circ\text{C}$  unless otherwise specified

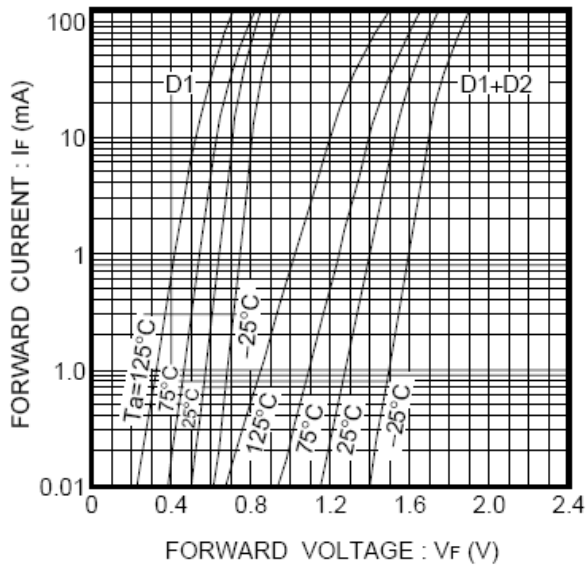


Fig.1 Forward characteristics

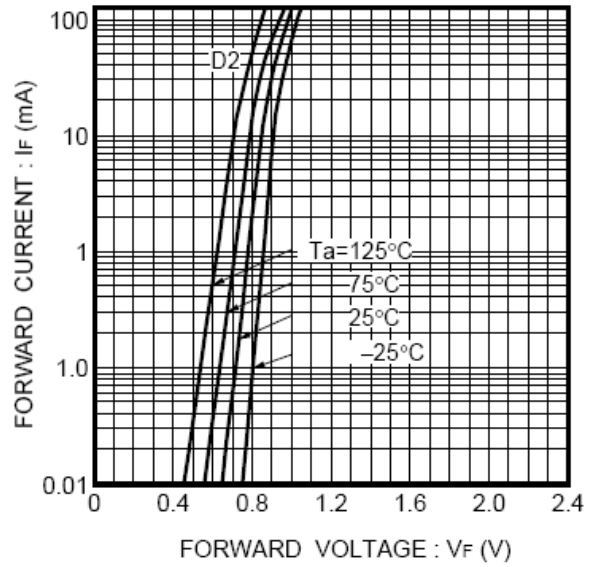


Fig.2 Forward characteristics

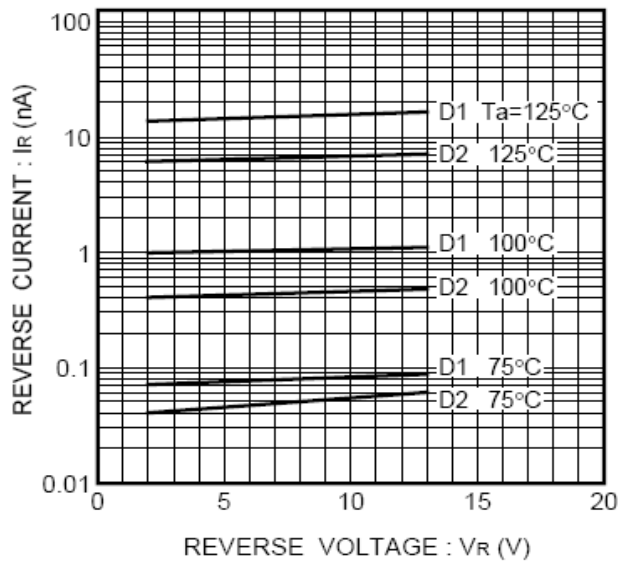


Fig.3 Reverse characteristics

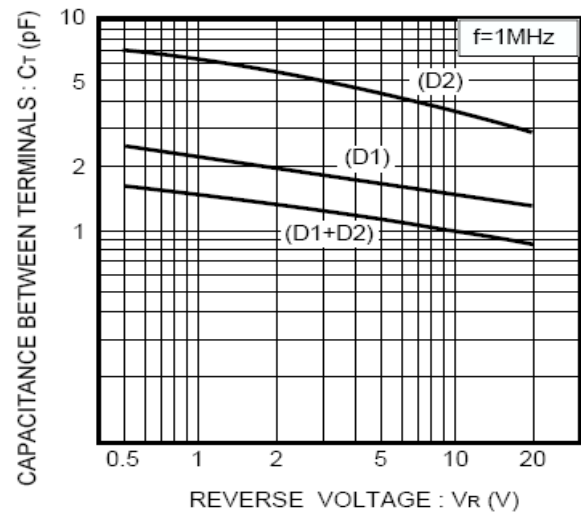


Fig.4 Capacitance between terminals characteristics