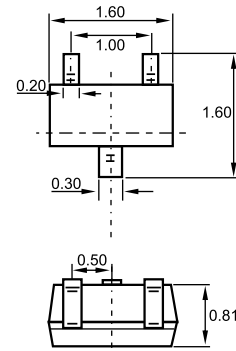


### SOT-523



## Features

- Three types of package are available.
- Two diode elements are connected in series ( $V_F \times 2$ ) per circuit.

## Applications

- General purpose switching application.

Dimensions in inches and (millimeters)

## Ordering Information

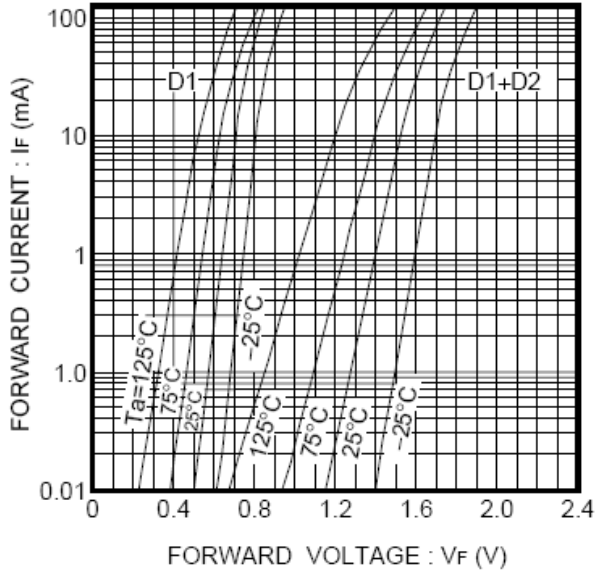
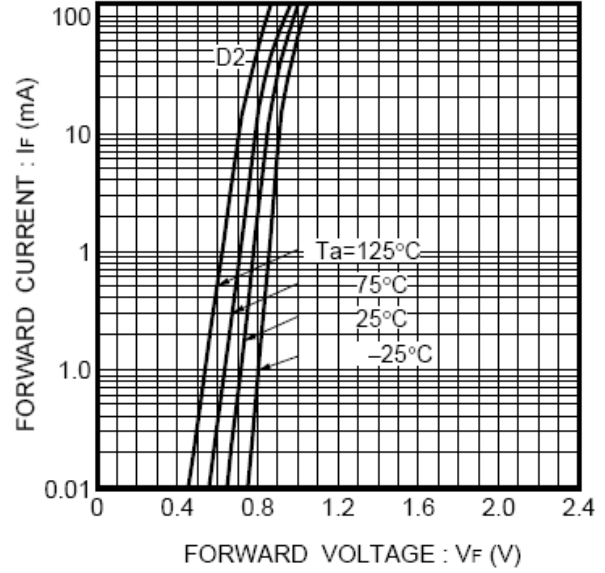
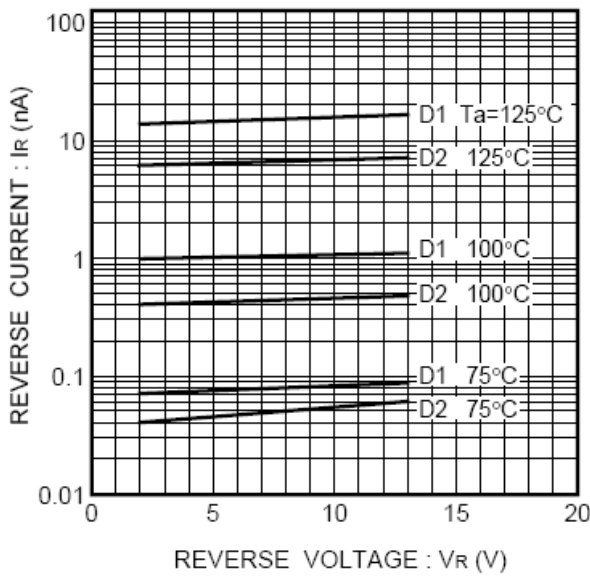
Type No.	Marking	Package Code
DA221	K	SOT-523

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

Symbol	Parameter	Value	Units
$V_R$	DC reverse voltage	20	V
$V_{RM}$	Peak reverse voltage	20	V
$I_{FM}$	Peak forward current	200	mA
$I_O$	Mean rectifying current	100	mA
$I_{surge}$	Non-repetitive peak forward surge current @ $t=1.0\mu\text{s}$	300	mA
$P_d$	Power dissipation	150	mW
$T_j, T_{stg}$	Junction and Storage Temperature	-65~150	$^\circ\text{C}$

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

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Leakage current	$I_R$	$V_R=15\text{V}$		0.1	$\mu\text{A}$
Forward voltage	$V_F$	$I_F=10\text{mA}$		1.0	V

**TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**

**Fig.1 Forward characteristics**

**Fig.2 Forward characteristics**

**Fig.3 Reverse characteristics**