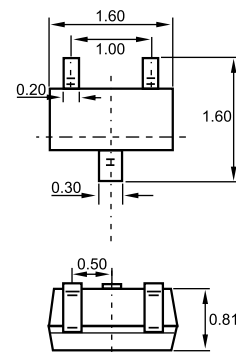

SOT-523

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

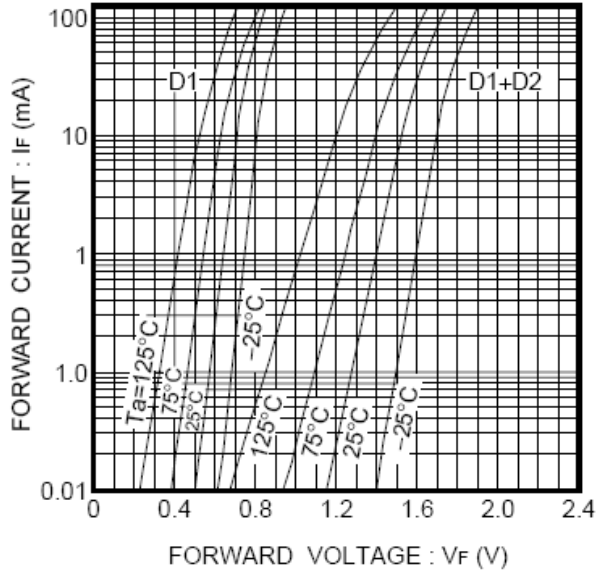
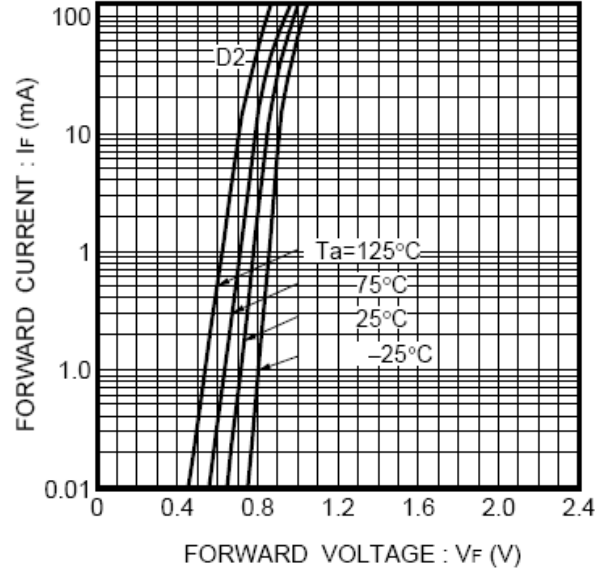
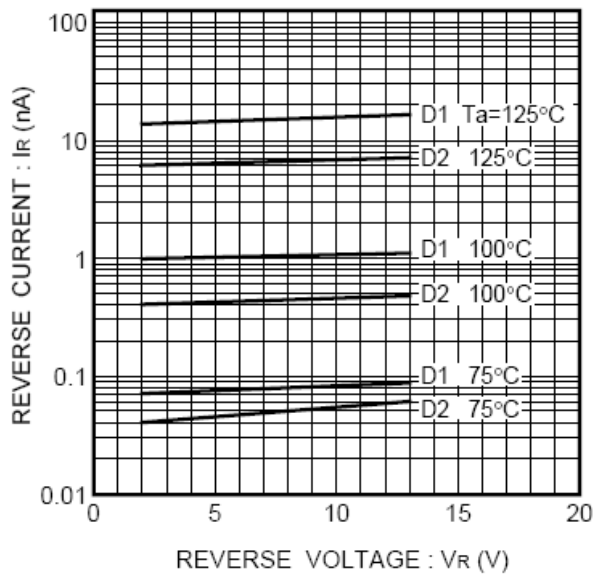
Type No.	Marking	Package Code
DA221	K	SOT-523

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	μA
Forward voltage	V_F	$I_F=10\text{mA}$		1.0	V

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

Fig.1 Forward characteristics

Fig.2 Forward characteristics

Fig.3 Reverse characteristics