

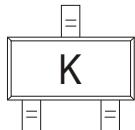
## Plastic-Encapsulate Transistors

### **DA221T      SWITCHING DIODE**

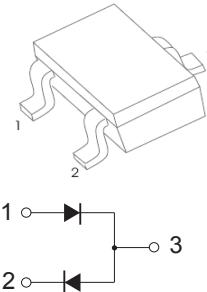
#### **FEATURES:**

- Bias circuits
- Protection circuits

**MARKING: K**



**SOT-523**



#### **Maximum Ratings @Ta=25°C**

Parameter	Symbol	Limit	Unit
<b>Non-Repetitive Peak Reverse Voltage</b>	$V_{RM}$	20	V
<b>Peak Repetitive Peak Reverse Voltage</b>	$V_{RRM}$	20	V
<b>DC Blocking Voltage</b>	$V_R$		
<b>Forward Continuous Current</b>	$I_{FM}$	200	mA
<b>Non-Repetitive Peak Forward Surge Current @t=8.3ms</b>	$I_{FSM}$	2.0	A
<b>Average Rectified Output Current</b>	$I_o$	100	mA
<b>Power Dissipation</b>	$P_D$	150	mW
<b>Thermal resistance From Junction to ambient</b>	$R_{\theta JA}$	833	°C/W
<b>Operation Junction and Storage Temperature Range</b>	$T_J, T_{STG}$	-55~+150	°C

#### **Electrical Characteristics @Ta=25°C**

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
<b>Reverse breakdown voltage</b>	$V_{(BR)}$	20			V	$I_R=100\mu A$
<b>Forward voltage</b>	$V_F$			1	V	$I_F=10mA$
<b>Reverse current</b>	$I_R$			0.1	uA	$V_R=15V$

### Typical Characteristics

