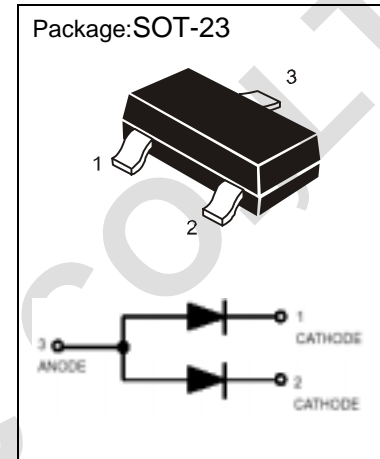


## DUAL SURFACE MOUNT SWITCHING DIODE

- \* Fast Switching Speed
- \* High Conductance
- \* Surface Mount Package Ideally Suited for Automatic Insertion

### ABSOLUTE MAXIMUM RATINGS at Ta=25°C

Characteristic	Symbol	Rating	Unit
Reverse Voltage	$V_R$	70	Vdc
Forward Current	$I_F$	200	mAdc
Peak Forward Surge Current	$I_{FM(surge)}$	300	mAdc
Total Device Dissipation FR-5 Board(Note)	$P_D$	350	mW
Derate above 25°C		1.8	mW/°C
Junction Temperature	$T_j$	150	°C
Storage Temperature	$T_{stg}$	-55-150	°C



### ELECTRICAL CHARACTERISTICS at Ta=25°C

Characteristic	Symbol	Min	Max	Unit
Reverse Breakdown Voltage( $I_R=100\mu\text{Adc}$ )	$V_{(BR)}$	70		Vdc
Reverse Voltage Leakage Current ( $V_R=70\text{V}$ ) ( $V_R=70\text{V}, T_j=150^\circ\text{C}$ ) ( $V_R=25\text{V}, T_j=150^\circ\text{C}$ )	$I_R$		2.5 100 30	$\mu\text{Adc}$
Forward Voltage ( $I_F=1.0\text{mAdc}$ ) ( $I_F=10\text{mAdc}$ ) ( $I_F=50\text{mAdc}$ ) ( $I_F=150\text{mAdc}$ )	$V_F$		715 855 1.0 1.25	mVdc mVdc Vdc Vdc
Capacitance( $V_R=0, f=1.0\text{MHz}$ )	$C_j$		4.0	PF
Reverse Recovery Time ( $I_F=10\text{mA}$ to $I_{RR}=1.0\text{mA}$ $V_R=6.0\text{V}, R_L=100\Omega$ )	$T_{rr}$		6.0	nS

Note:FR-5=1.0 × 0.75 × 0.062in

DEVICE MARKING:

DAP202K=A11

## Typical Characteristics

