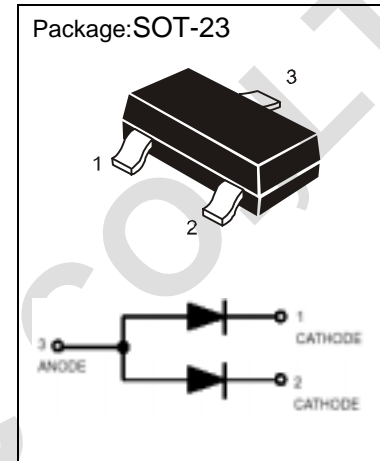


DUAL SURFACE MOUNT SWITCHING DIODE

- * 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	μAdc
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

