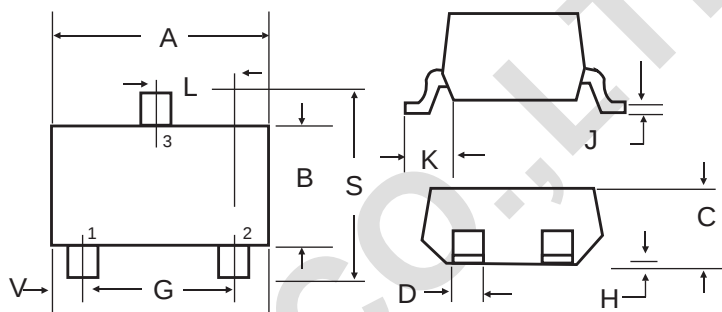
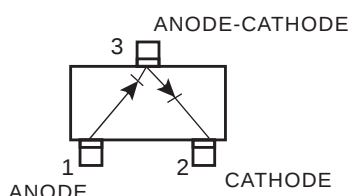
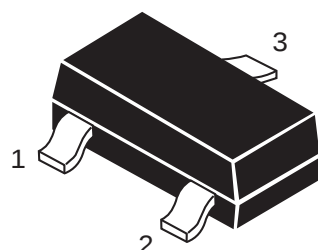


MONOLITHIC DUAL SWITCHING DIODE

SOT-23



Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating	Unit
Reverse Voltage	V(BR)	75	Vdc
Forward Current	IF	100	nAdc
Total Device Dissipation FR-5 Board(Note) Derate above 25°C	P _D	225 1.8	PF mW/°C
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-50~150	°C

Electrical Characteristics

(Ta=25°C)

Parameter	Symbol	MIN.	TYP.	MAX.	Unit
Reverse Breakdown Voltage(IR=100uAdc)		75			Vdc
Reverse Voltage Leakage Current (VR=50Vdc)			100		nAdc
Diode Capacitance(VR=0 f=1.0MHz)			4.0		PF
Forward Voltage (IF=10mAdc)			1.0		Vdc
(IF=50mAdc)			1.0		
(IF=50mAdc)			0.2		
Reverse Recovery Time(IF=IR=10mAdc)			4.0		nS

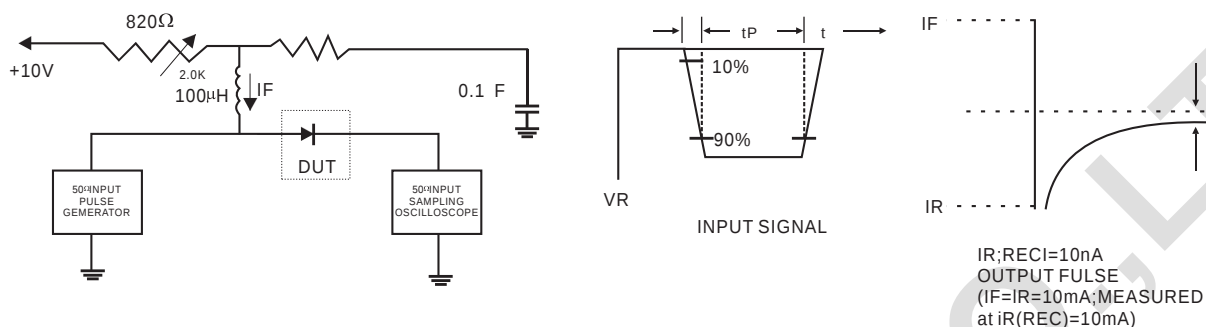
Note:FR-5=1.0X0.75X0.062in

DVICE MARKING:

MMBD2836LT1=A2X

MONOLITHIC DUAL SWITCHING DIODE

MMBD2835LT1 MMBD2836LT1



Notes: 1. A 2.0K Ω Variable resistor resistor adjusted for a Forward Current (I_F) of 1C nA
2. Input pulse is adjusted so $I_R(\text{peak})$ is equal to 10 mA.
3. $t_p \gg t_{rr}$

Figure 1. Recovery Time Equivalent Test Circuit

CURVES APPLICABLE TO EACH CAHODE

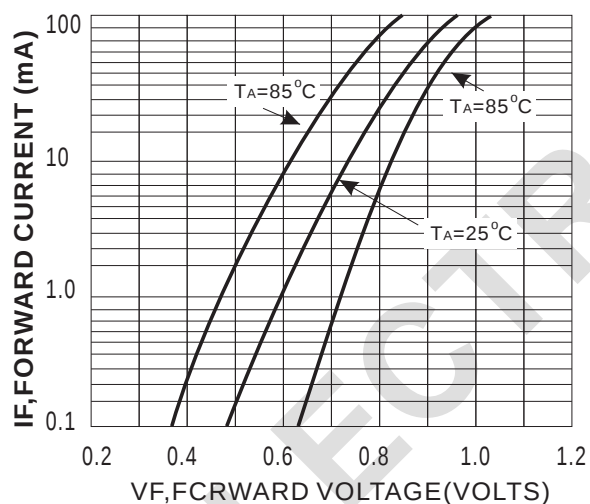


Figure2 . Forward Voltage

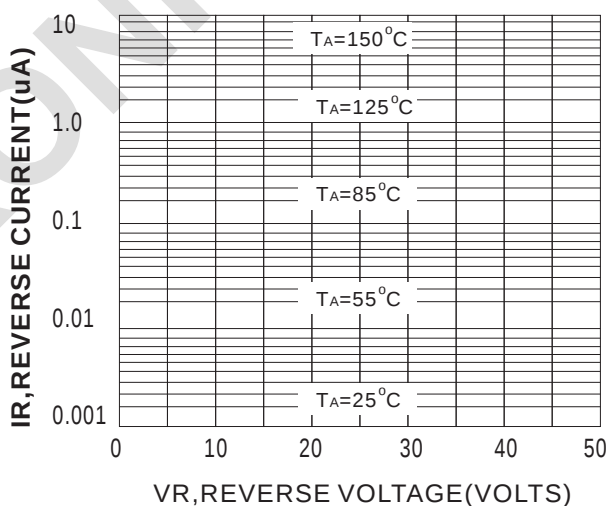


Figure3 . Leakage Current

