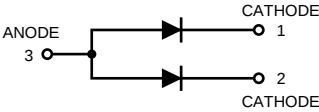
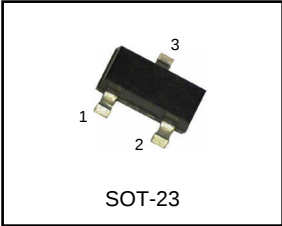




Monolithic Dual Switching Diode



MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Continuous Reverse Voltage	VR	75	Vdc
Peak Forward Current	IF	100	mAdc

THERMAL CHARACTERISTICS

Characteristic	Symbol	Max.	Unit
Total Device Dissipation FR-5 Board ⁽¹⁾ TA=25°C Derate above 25°C	PD	225 1.8	mW mW / °C
Thermal Resistance, Junction to Ambient	RθJA	556	°C / W
Total Device Dissipation Alumina Substrate, ⁽²⁾ TA=25°C Derate above 25°C	PD	300 2.4	mW mW / °C
Thermal Resistance, Junction to Ambient	RθJA	417	°C / W
Junction and Storage Temperature	TJ,TSTG	-55 to +150	°C

DEVICE MARKING

MMBD2836=A2X

ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted) (EACH DIODE)

Characteristic	Symbol	Min.	Max.	Unit
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OFF CHARACTERISTICS

Reverse Breakdown Voltage (IBR=100 uAdc)	V(BR)	75	-	Vdc
Forward Voltage (IF=10 mAdc) (IF=50 mAdc) (IF=100 mAdc)	VF	- - -	1000 1000 1200	mVdc
Reverse Voltage Leakage Current (VR=50 Vdc)	IR	- -	0.1	uAdc
Diode Capacitance (VR=0, f=1.0MHz)	CJ	-	4.0	pF
Reverse Recovery Time (IF=IR=10 mAdc, IR(REC)=1.0mAdc, measured at IR=1.0mA RL=100 Ω)	trr	-	4.0	nS

(1) FR-5=1.0 x 0.75 x 0.062in.
(2) Alumina=0.4 x 0.3 x 0.024in. 99.5% alumina.

