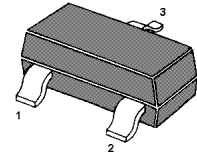
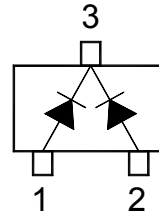


MMBD202CC

Silicon Epitaxial Planar Switching Diode

Application

- Ultra high speed switching



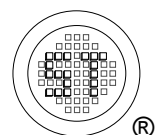
Marking Code: **A4**
TO-236 Plastic Package

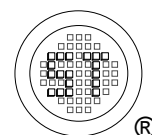
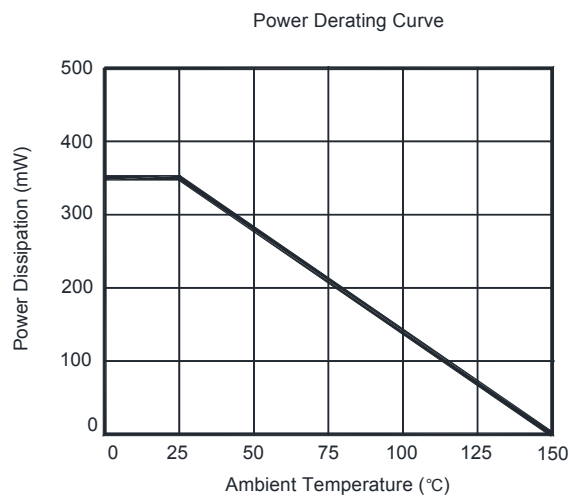
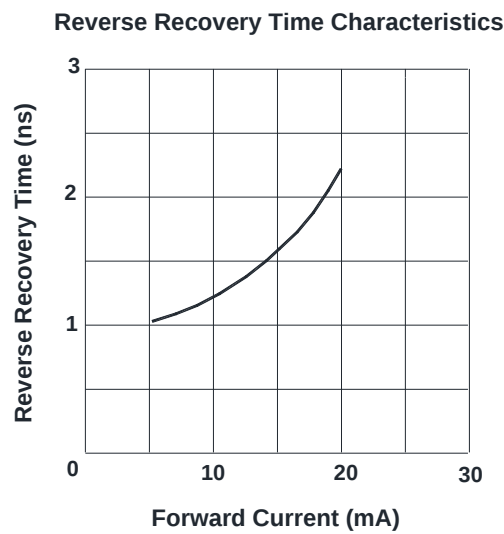
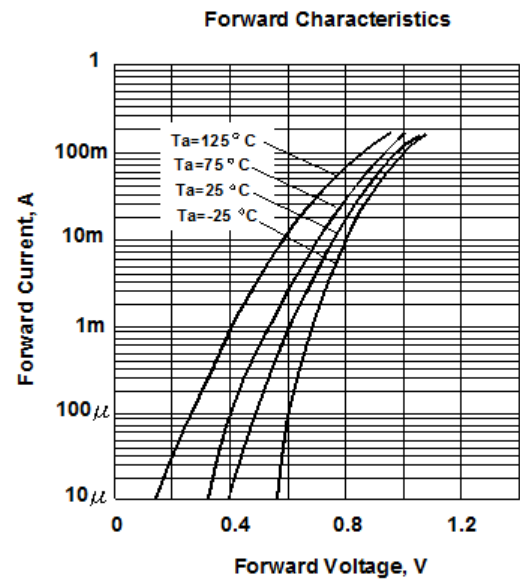
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Maximum Peak Reverse Voltage	V_{RM}	80	V
Reverse Voltage	V_R	80	V
Average Rectified Forward Current	$I_{F(AV)}$	100	mA
Maximum Peak Forward Current	I_{FM}	300	mA
Non-repetitive Peak Forward Surge Current ($t = 1 \mu\text{s}$)	I_{FSM}	4	A
Power Dissipation	P_{tot}	350	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100 \text{ mA}$	V_F	1.2	V
Reverse Current at $V_R = 70 \text{ V}$	I_R	0.1	μA
Total Capacitance at $V_R = 6 \text{ V}$, $f = 1 \text{ MHz}$	C_T	3.5	pF
Reverse Recovery Time at $V_R = 6 \text{ V}$, $I_F = 10 \text{ mA}$, $I_{RR} = 0.1 \cdot I_R$, $R_L = 100 \Omega$	t_{rr}	4	ns

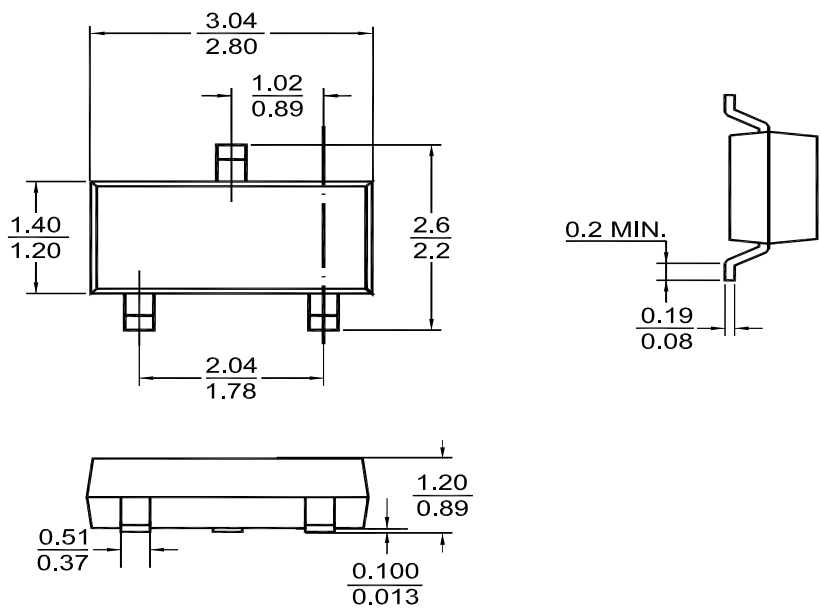




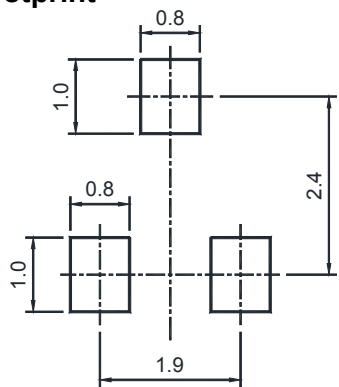
PACKAGE OUTLINE

Plastic surface mounted package (Dimensions in mm)

TO-236



Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
TO-236	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

Marking information

" A4 " = Part No.
"YM" = Date Code Marking
"Y" = Year
"M" = Month
Font type: Arial

