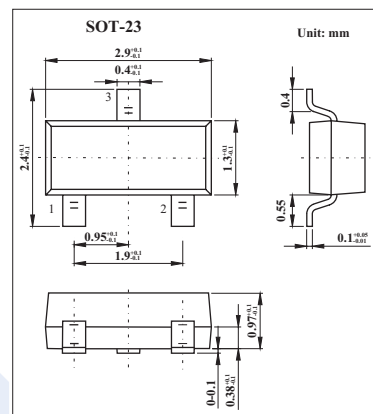
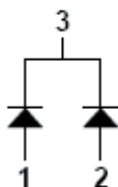


Small Signal Diode

MMBD2838(KMBD2838)

■ Features

- Ultra small mold type
- High reliability.
- High speed switching



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

Parameter	Symbol	Rating	Unit
Maximum Repetitive Reverse Voltage	V_{RRM}	75	V
Average Rectified Forward Current	$I_{F(AV)}$	200	mA
Non-repetitive Peak Forward Surge Current	I_{FSM}	1.0	A
Pulse Width = 1.0 second		2.0	A
Pulse Width = 1.0 microsecond			
Power Dissipation	P_D	350	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	357	$^\circ\text{C}/\text{W}$
Storage Temperature Range	T_{stg}	-55 to +150	$^\circ\text{C}$
Operating Junction Temperature	T_J	-55 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Breakdown Voltage	V_R	$I_R = 100 \mu\text{A}$	75			V
Forward Voltage	V_F	$I_F = 50 \text{ mA}$			1.0	V
		$I_F = 100 \text{ mA}$			1.2	V
Reverse Current	I_R	$V_R = 50 \text{ V}$			100	nA
Total Capacitance	C_T	$V_R = 0, f = 1.0 \text{ MHz}$			4.0	pF
Reverse Recovery Time	t_{rr}	$I_F = I_R = 10 \text{ mA}, I_{RR} = 1.0 \text{ mA}, R_L = 100 \Omega$			4.0	ns

■ Marking

Marking	A6
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