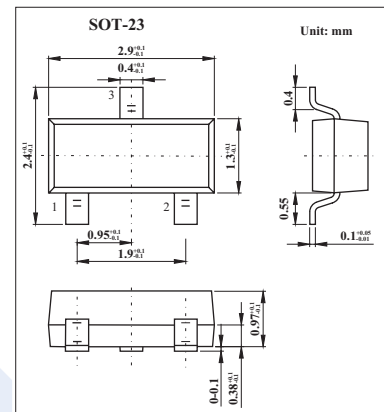
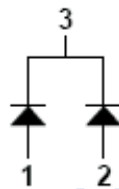


Small Signal Diode

MMBD2838(KMBD2838)

■ Features

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



■ Absolute Maximum Ratings Ta = 25°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
Power Dissipation	P _D	350	mW
Thermal Resistance, Junction to Ambient	R _{θJA}	357	°C/W
Storage Temperature Range	T _{stg}	-55 to +150	°C
Operating Junction Temperature	T _J	-55 to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Breakdown Voltage	V _R	I _R = 100 μA	75			V
Forward Voltage	V _F	I _F = 50 mA			1.0	V
		I _F = 100 mA			1.2	V
Reverse Current	I _R	V _R = 50 V			100	nA
Total Capacitance	C _T	V _R = 0, f = 1.0 MHz			4.0	pF
Reverse Recovery Time	t _{rr}	I _F = I _R = 10 mA, I _{RR} = 1.0 mA, R _L = 100 Ω			4.0	ns

■ Marking

Marking	A6
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