

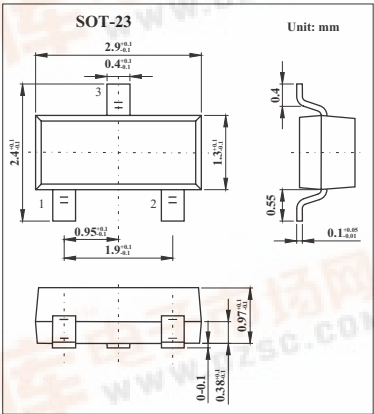
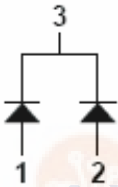
SMD Type

Diodes

Small Signal Diode
MMBD2838(KMBD2838)

■ Features

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



■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Maximum Repetitive Reverse Voltage	VRRM	75	V
Average Rectified Forward Current	IF(AV)	200	mA
Non-repetitive Peak Forward Surge Current Pulse Width = 1.0 second Pulse Width = 1.0 microsecond	IFSM	1.0 2.0	A A
Power Dissipation	PD	350	mW
Thermal Resistance, Junction to Ambient	RθJA	357	℃/W
Storage Temperature Range	Tstg	-55 to +150	℃
Operating Junction Temperature	TJ	-55 to +150	℃

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Breakdown Voltage	VR	IR = 100 μA	75			V
Forward Voltage	VF	IF = 50 mA			1.0	V
		IF = 100 mA			1.2	V
Reverse Current	IR	VR = 50 V			100	nA
Total Capacitance	CT	VR = 0, f = 1.0 MHz			4.0	pF
Reverse Recovery Time	trr	IF = IR = 10 mA, IRR = 1.0 mA, RL = 100 Ω			4.0	ns

■ Marking

Marking	A6
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