MMBD4148 /SE/CC/CA SWITCHING DIODE

- **FEATURES**

Power dissipation

P_D : 350 mW (Tamb=25℃)

Forward Current
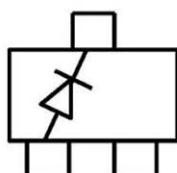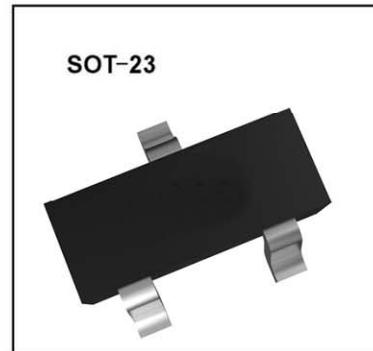
I_F : 200 mA

Reverse Voltage
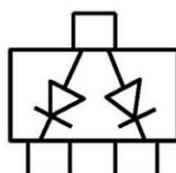
V_R: 100 V (I_R=100 μA)

Operating and storage junction temperature range

T_J, T_{stg}: -55℃ to +150

SOT-23
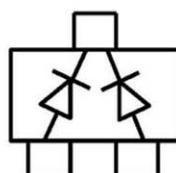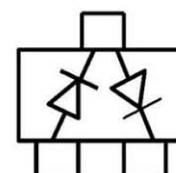
MMBD4148 Marking:5H   MMBD4148CA Marking:D6   MMBD4148CC Marking:D5   MMBD4148SE Marking:D4

- **ELECTRICAL CHARACTERISTICS**（Tamb=25℃ unless otherwise specified）
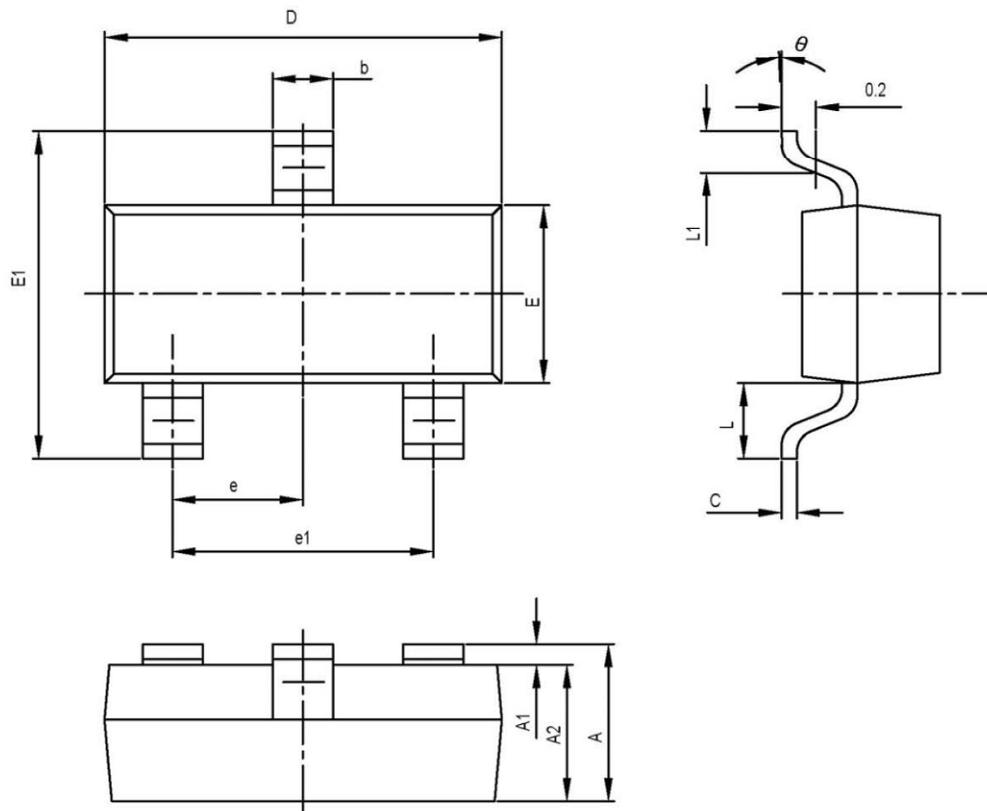
Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	I_R= 100 μA I_R= 5 μA	100 75		V
Reverse voltage leakage current	I_R	V_R=25V V_R=75V		25 5	nA μA
Forward voltage	V_F	I_F=10mA		1	V
Diode capacitance	C_D	V_R=0 f=1MHz		4	pF
Reverse recovery time	t_{rr}	I_F =10mA V_R=6V I_{RR}=1.0mA R_L=100 Ω		4	ns

SOT-23 PACKAGE OUTLINE DIMENSIONS

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950TPY		0.037TPY	
e1	1.800	2.000	0.071	0.079
L	0.550REF		0.022REF	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°

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