



SOT-23 Plastic-Encapsulated Diodes

MMBD4148A/SE/CC/CA SWITCHING DIODE

FEATURES

Power dissipation

P_D : 350 mW ($T_{amb}=25^\circ C$)

Forward Current

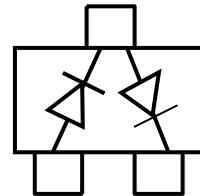
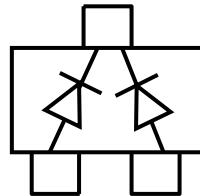
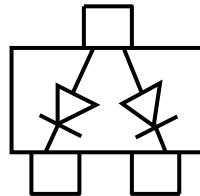
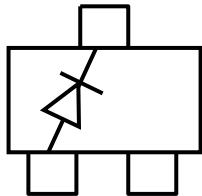
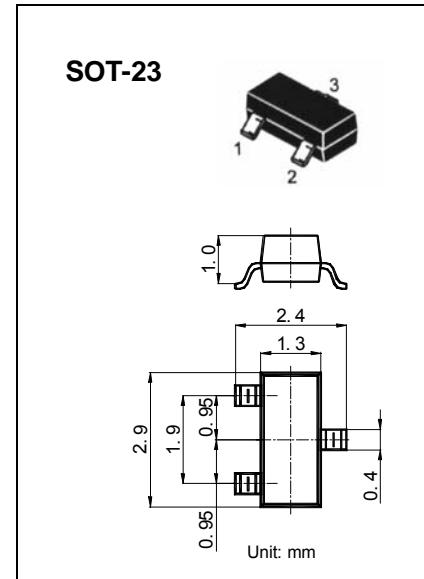
I_F : 200 mA

Reverse Voltage

V_R : 100 V ($I_R=100\mu A$)

Operating and storage junction temperature range

T_J, T_{stg} : -55°C to +150°C



MMBD4148A Marking: 5H MMBD4148CA Marking: D6 MMBD4148CC Marking: KD5 MMBD4148SE Marking: D4

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^\circ C$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu A$ $I_R=5\mu A$	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}	$I_F=10mA, V_R=6V$ $I_{RR}=1.0mA, R_L=100\Omega$		4	ns