

MMBD6050

SURFACE MOUNT SWITCHING DIODES

VOLTAGE	80 Volts	POWER	225 mWatts
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SOT-23	Unit: inch (mm)
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MECHANICAL DATA

Case: SOT-23 plastic
Terminals : Solderable per MIL-STD-750,Method 2026
Approx weight : 0.0084 grams
Marking : T2

ABSOLUTE RATINGS

PARAMETER	SYMBOL	VALUE	UNITS
Maximum Reverse Voltage	V_R	80	V
Peak Reverse Voltage	V_{RRM}	80	V
Continuous Forward Current	I_F	0.2	A
Non-repetitive Peak Forward Surge Current at $t=1.0 \mu s$	I_{FSM}	4.0	A

THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	VALUE	UNITS
Power Dissipation ⁽¹⁾	P_{TOT}	225	mW
Thermal Resistance, Junction to Ambient ⁽¹⁾	$R_{\theta JA}$	556	°C/W
Junction Temperature	T_J	-50 to 150	°C
Storage Temperature	T_{STG}	-50 to 150	°C

NOTE:

1. FR-4 Board=70 x 60 x 1mm.

