



DATA SHEET

MMBD914TS

SURFACE MOUNT SWITCHING DIODE

VOLTAGE	100 Volts	POWER	200 mWatts
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SOD-523	Unit: inch (mm)
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FEATURES

- Very fast reverse recovery ($T_{rr} < 2.0$ ns typical)
- Low capacitance (2pF @ 0V typical)
- Surface mount package ideally suited for automatic insertion
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MECHANICAL DATA

Case: SOD-523, Plastic

Terminals: Solderable per MIL-STD-750, Method 2026

Approx. Weight: 0.0014 grams

Marking: T1

ABSOLUTE RATINGS

PARAMETER	Symbol	Value	Units
Maximum Reverse Voltage	V_R	100	V
Peak Reverse Voltage	V_{RRM}	100	V
Continuous Forward Current	I_F	0.2	A
Non-repetitive Peak Forward Surge Current at $t=1.0$ us	I_{FSM}	4.0	A

THERMAL CHARACTERISTICS

PARAMETER	Symbol	Value	Units
Power Dissipation (Note 1)	P_{TOT}	200	mW
Thermal Resistance, Junction to Ambient (Note 1)	$R_{\theta JA}$	635	°C/W
Junction Temperature	T_J	-55 to 150	°C
Storage Temperature	T_{STG}	-55 to 150	°C

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