



MMBT918W

VHF/UHF NPN SILICON TRANSISTOR

VOLTAGE 15 Volts **POWER** 225 mWatts

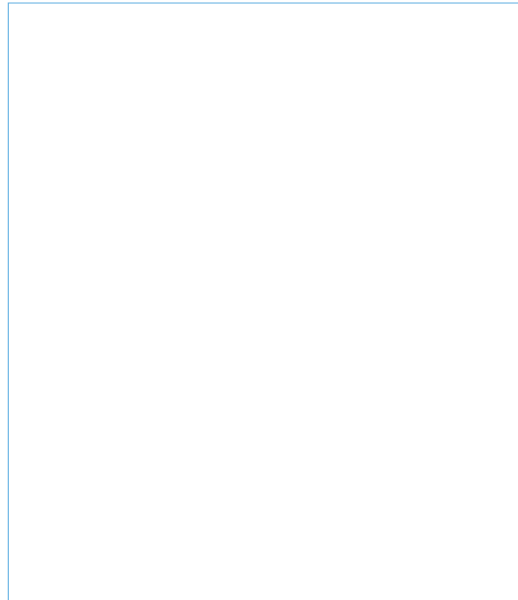
SOT-323 Unit: inch (mm)

FEATURES

- NPN silicon
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MECHANICAL DATA

- Case: SOT-323, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 5 mg
- Marking: R1B



ABSOLUTE RATINGS

PARAMETER	Symbol	Value	Units
Collector - Emitter Voltage	V_{CEO}	15	V
Collector - Base Voltage	V_{CBO}	30	V
Emitter - Base Voltage	V_{EBO}	3.0	V
Collector Current - Continuous	I_C	50	mA

THERMAL CHARACTERISTICS

PARAMETER	Symbol	Value	Units
Total Device Dissipation (Note1) $T_A=25^{\circ}\text{C}$ Derate above 25°C	P_D	225 1.8	mW mW/ $^{\circ}\text{C}$
Thermal Resistance , Junction to Ambient	$R_{\theta JA}$	556	$^{\circ}\text{C/W}$
Junction and Storage Temperature	T_J, T_{STG}	-55 to 150	$^{\circ}\text{C}$

Note 1: FR.4 = 70 x 60 x 1mm.