



# MMBT918

## VHF/UHF NPN SILICON TRANSISTOR

**VOLTAGE** 15 Volts **POWER** 225 mWatts

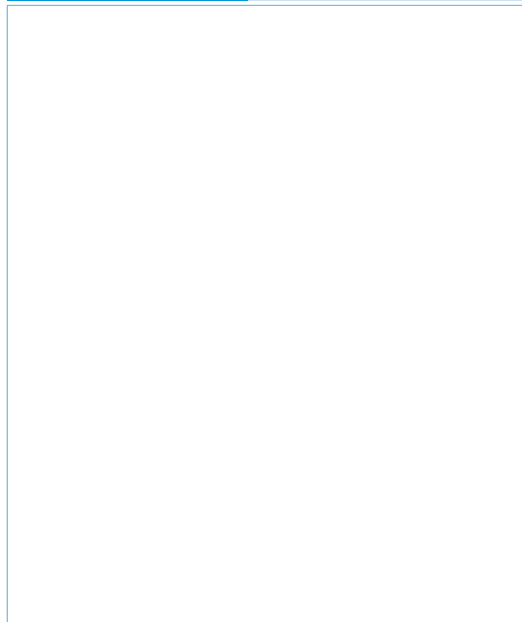
**SOT-23** Unit: inch ( mm )

### FEATURES

- NPN silicon
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### MECHANICAL DATA

- Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0084 grams
- Marking: R1B



### ABSOLUTE RATINGS

PARAMETER	Symbol	Value	Units
Collector - Emitter Voltage	V <sub>CEO</sub>	15	V
Collector - Base Voltage	V <sub>CBO</sub>	30	V
Emitter - Base Voltage	V <sub>EBO</sub>	3.0	V
Collector Current - Continuous	I <sub>C</sub>	50	mA

### THERMAL CHARACTERISTICS

PARAMETER	Symbol	Value	Units
Total Device Dissipation (Note1) T <sub>A</sub> =25°C Derate above 25°C	P <sub>D</sub>	225 1.8	mW mW/°C
Thermal Resistance , Junction to Ambient	R <sub>θJA</sub>	556	°C/W
Junction and Storage Temperature	T <sub>J</sub> , T <sub>STG</sub>	-55 to 150	°C

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