

SOT23 PNP SILICON PLANAR MEDIUM POWER TRANSISTOR

FMMT555

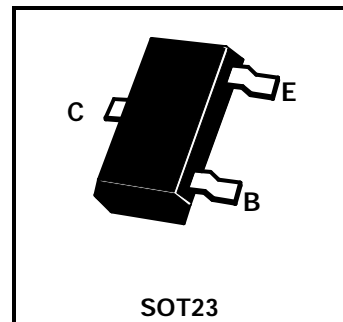
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FEATURES

- * 150 Volt V_{CEO}
- * 1 Amp continuous current

COMPLEMENTARY TYPE - FMMT455

PARTMARKING DETAIL - 555



ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	V_{CBO}	-160	V
Collector-Emitter Voltage	V_{CEO}	-150	V
Emitter-Base Voltage	V_{EBO}	-5	V
Peak Pulse Current	I_{CM}	-2	A
Continuous Collector Current	I_C	-1	A
Base Current	I_B	-200	mA
Power Dissipation at $T_{amb} = 25^\circ\text{C}$	P_{tot}	500	mW
Operating and Storage Temperature Range	T_j, T_{stg}	-55 to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (at $T_{amb} = 25^\circ\text{C}$ unless otherwise stated).

PARAMETER	SYMBOL	MIN.	MAX	UNIT	CONDITIONS.
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-160		V	$I_C = -100 \mu\text{A}$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-150		V	$I_C = -10\text{mA}^*$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5		V	$I_E = -100 \mu\text{A}$
Collector Cut-Off Current	I_{CBO}		-0.1 -10	μA μA	$V_{CB} = -140\text{V}$ $V_{CB} = -140\text{V}, T_{amb} = 100^\circ\text{C}$

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TYPICAL CHARACTERISTICS

