



THE DATASHEET OF BCP54TA



SOT223 NPN SILICON PLAIN MEDIUM POWER TRANSISTOR

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FEATURES

- * Suitable for AF drivers and output stages
- * High collector current and Low $V_{CE(s)}$

COMPLEMENTARY TYPE – BCP51

PARTMARKING DETAILS – BCP54
BCP54 – 1
BCP54 – 2

ABSOLUTE MAXIMUM RATINGS

PARAMETER
Collector-Base Voltage
Collector-Emitter Voltage
Emitter-Base Voltage
Peak Pulse Current
Continuous Collector Current
Power Dissipation at $T_{amb}=25^{\circ}\text{C}$
Operating and Storage Temperature Range



ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN	MAX
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	45	
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	45	
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	5	
Collector Cut-Off Current	I_{CBO}		
Emitter Cut-Off Current	I_{EBO}		
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		
Base-Emitter Turn-On Voltage	$V_{BE(on)}$		
Static Forward Current Transfer Ratio	h_{FE}	40 25	63 10
Transition Frequency	f_T		

*Measured under pulsed conditions. Pulse

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