



# THE DATASHEET OF BCP56TA



# SOT223 NPN SILICON PLAIN MEDIUM POWER TRANSISTOR

ISSUE 3 – AUGUST 1995

## FEATURES

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

COMPLEMENTARY TYPE – BCP53

PARTMARKING DETAILS – BCP56  
BCP56 – 16  
BCP56 – 16

## 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	UNIT
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	10
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	80
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 BCP56-10 63 BCP56-16 10
Transition Frequency	$f_T$	

\*Measured under pulsed conditions. Pulse

## Looking for pricing, stock, or lifecycle information?

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