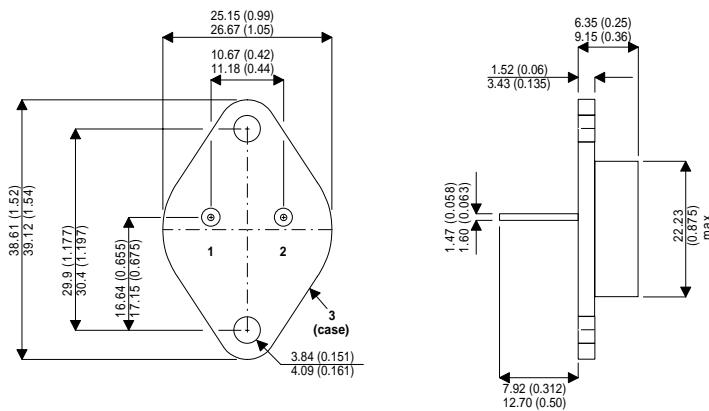


## MECHANICAL DATA

Dimensions in mm(inches)



## NPN SILICON POWER TRANSISTOR

### FEATURES

- HIGH CURRENT
- FAST SWITCHING
- HIGH RELIABILITY

### APPLICATIONS

- POWER SWITCHING CIRCUITS
- MOTOR CONTROL

### TO-204AE (TO-3)

PIN 1 — Base      PIN 2 — Emitter      Case is Collector.

### ABSOLUTE MAXIMUM RATINGS ( $T_{case} = 25^\circ\text{C}$ unless otherwise stated)

$V_{CES}$	Collector – Emitter Voltage ( $V_{BE} = 0\text{V}$ )	900V
$V_{CEO}$	Collector – Emitter Voltage ( $I_B = 0$ )	450V
$V_{EBO}$	Emitter – Base Voltage ( $I_C = 0$ )	7V
$I_C$	Collector Current	15A
$I_{CM}$	Peak Collector Current ( $t_p = 10\text{ ms}$ )	30A
$I_B$	Base Current	10A
$P_{tot}$	Total Power Dissipation at $T_{case} \leq 25^\circ\text{C}$	175W
$T_{stg}$	Storage Temperature	-65 to 200°C
$T_j$	Junction Temperature	200°C
$R_{\theta JC}$	Thermal Resistance Junction to Case	1.0°C/W

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