

# 2N3442 Transistors

## Si NPN Power BJT

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Military/High-Rel N

V(BR)CEO (V) 140

V(BR)CBO (V) 160

I(C) Max. (A) 10

Absolute Max. Power Diss. (W) 117

Maximum Operating Temp ( $\theta$ C) 200#

I(CBO) Max. (A) 5.0m°

@V(CBO) (V) (Test Condition) 140

V(CE)sat Max. (V) 5.0

@I(C) (A) (Test Condition) 10

@I(B) (A) (Test Condition) 2.0

h(FE) Min. Current gain. 20

h(FE) Max. Current gain. 70

@I(C) (A) (Test Condition) 3.0

@V(CE) (V) (Test Condition) 4.0

f(T) Min. (Hz) Transition Freq 80k

@I(C) (A) (Test Condition)

@V(CE) (V) (Test Condition)

t(d) Max. (s) Delay time.

t(r) Max. (s) Rise time

t(on) Max. (s) On time.