

2SC5370

Silicon NPN Epitaxial Planar Transistor

Application : Emergency Lighting Inverter and General Purpose

Absolute maximum ratings (Ta=25°C)

| Symbol | 2SC5370 | Unit |
|------------------|--------------------------|------|
| V _{CB0} | 60 | V |
| V _{CE0} | 40 | V |
| V _{EB0} | 7 | V |
| I _c | 12 | A |
| I _B | 3 | A |
| P _c | 30(T _c =25°C) | W |
| T _j | 150 | °C |
| T _{stg} | -55to+150 | °C |

Electrical Characteristics

| Symbol | Conditions | 2SC5370 | Unit |
|----------------------|---|---------|------|
| I _{CB0} | V _{CB} =60V | 10max | μA |
| I _{EB0} | V _{EB} =7V | 10max | μA |
| V _{(BR)CEO} | I _c =25mA | 40min | V |
| h _{FE} | V _{CE} =2V, I _c =6A | 70min* | |
| V _{CE(sat)} | I _c =6A, I _B =0.3A | 0.3max | V |
| V _{BE(sat)} | I _c =6A, I _B =0.3A | 1.2max | V |
| f _r | V _{CE} =12V, I _E =-3A | 90typ | MHz |
| C _{OB} | V _{CB} =10V, f=1MHz | 120typ | pF |

*h_{FE} Rank $\bar{0}$ (70 to 140), Y(120 to 240), G(200 to 400)

(Ta=25°C)

External Dimensions FM20(TO220F)

