

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

(Ta=25°C)

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 $\bar{O}$ (70 to 140), Y(120 to 240), G(200 to 400)

External Dimensions FM20(TO220F)

