

Applications

- Power amplifier application
- High current switching application

Features

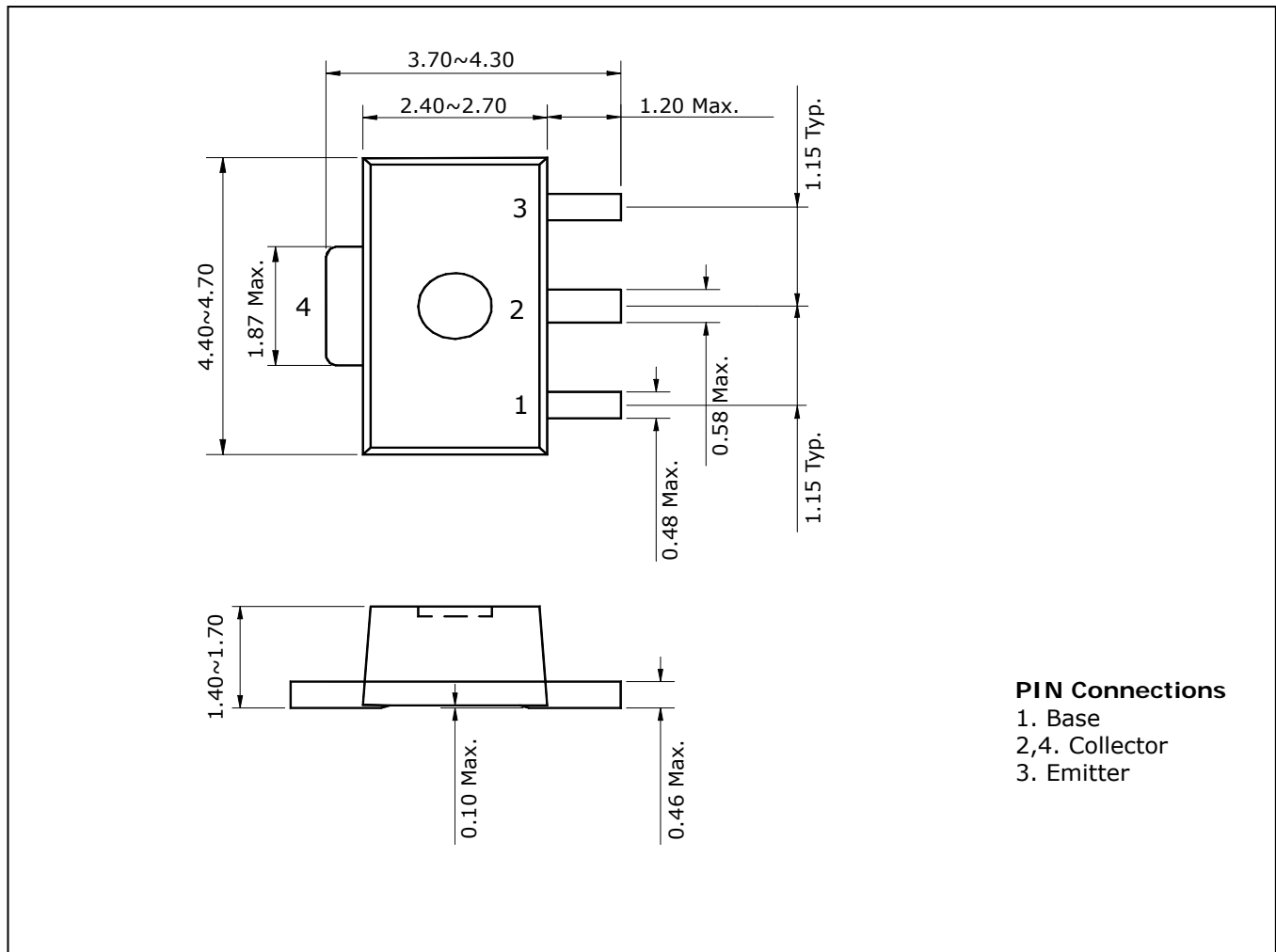
- Low saturation voltage: $V_{CE(sat)}=0.15V$ Typ. @ $I_C=1A, I_B=50mA$
- Large collector current capacity: $I_C=2A$
- Small and compact SMD type package
- Complementary pair with STA3250F

Ordering Information

Type NO.	Marking	Package Code
STC4250F	HW2	SOT-89

Outline Dimensions

unit : mm



Electrical Characteristic Curves

Fig. 1 $P_C - T_a$

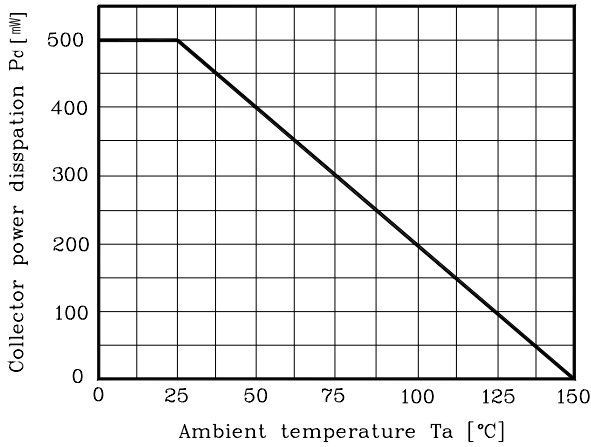


Fig. 2 $I_C - V_{BE}$

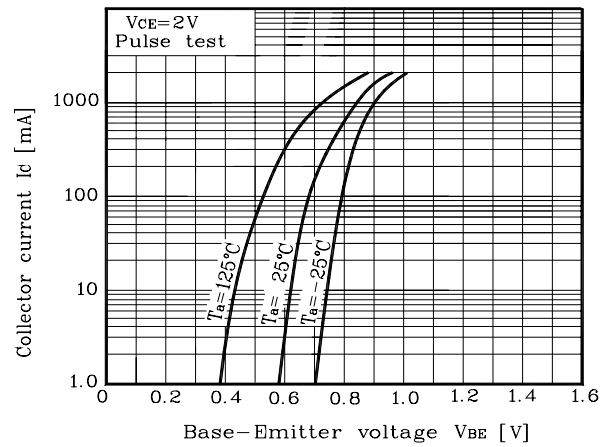


Fig. 3 $I_C - V_{CE}$

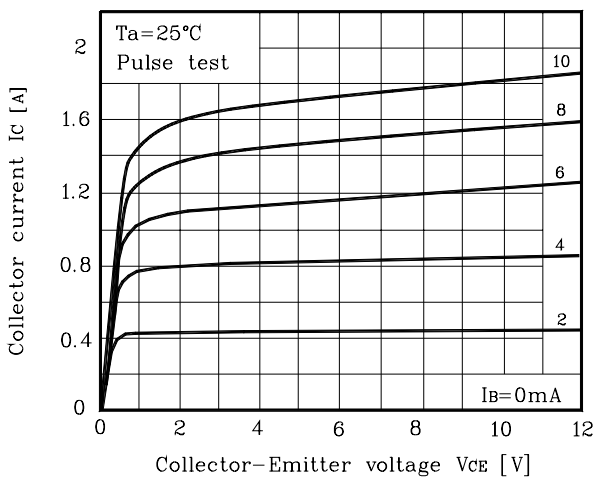


Fig. 4 $h_{FE} - I_C$

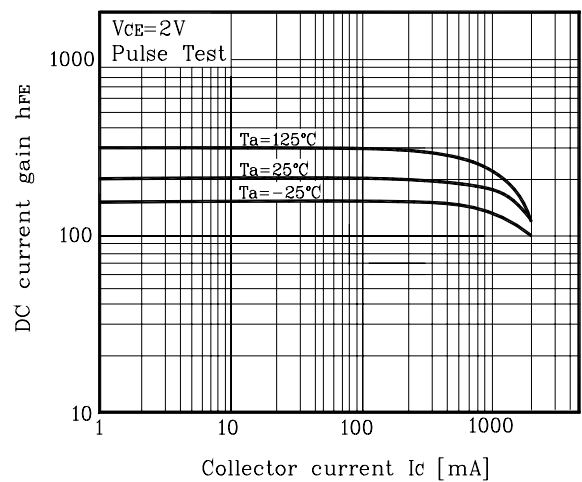


Fig. 5 $V_{CE(sat)} - I_C$

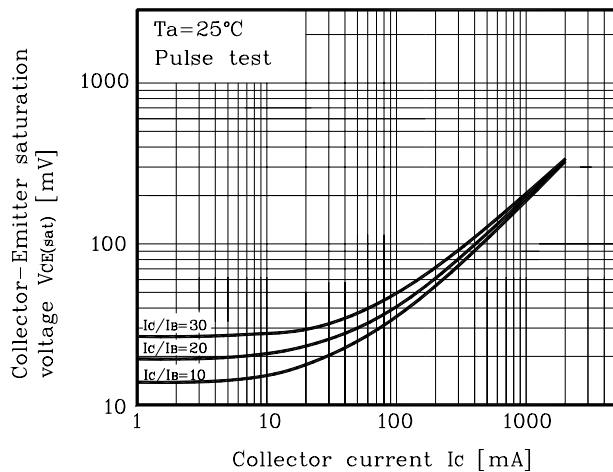
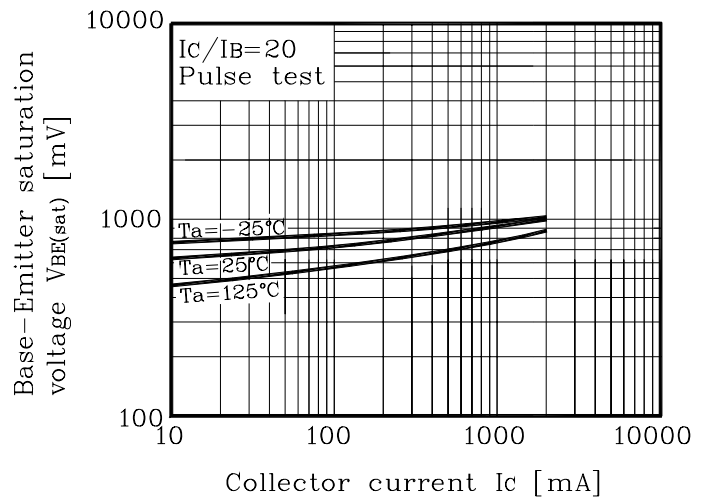


Fig. 6 $V_{BE(sat)} - I_C$



Electrical Characteristic Curves

Fig. 7 $C_{Ob} - V_{CB}$

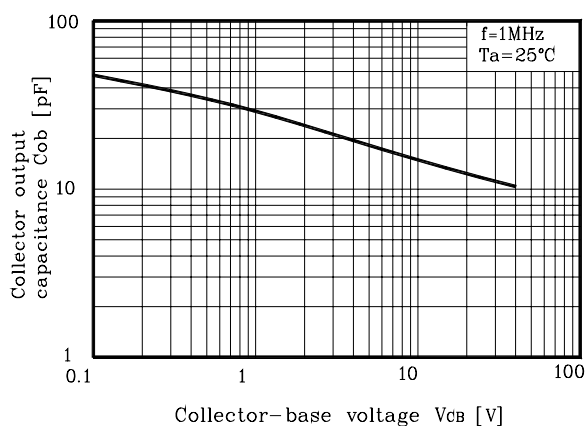
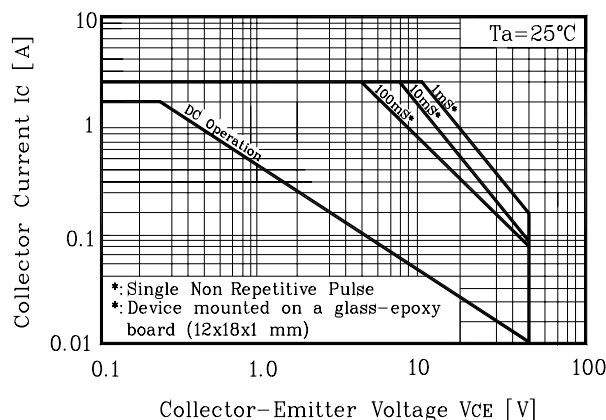


Fig. 8 Safe Operating Area



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