

**Applications**

- Power amplifier application
- High current switching application

**Features**

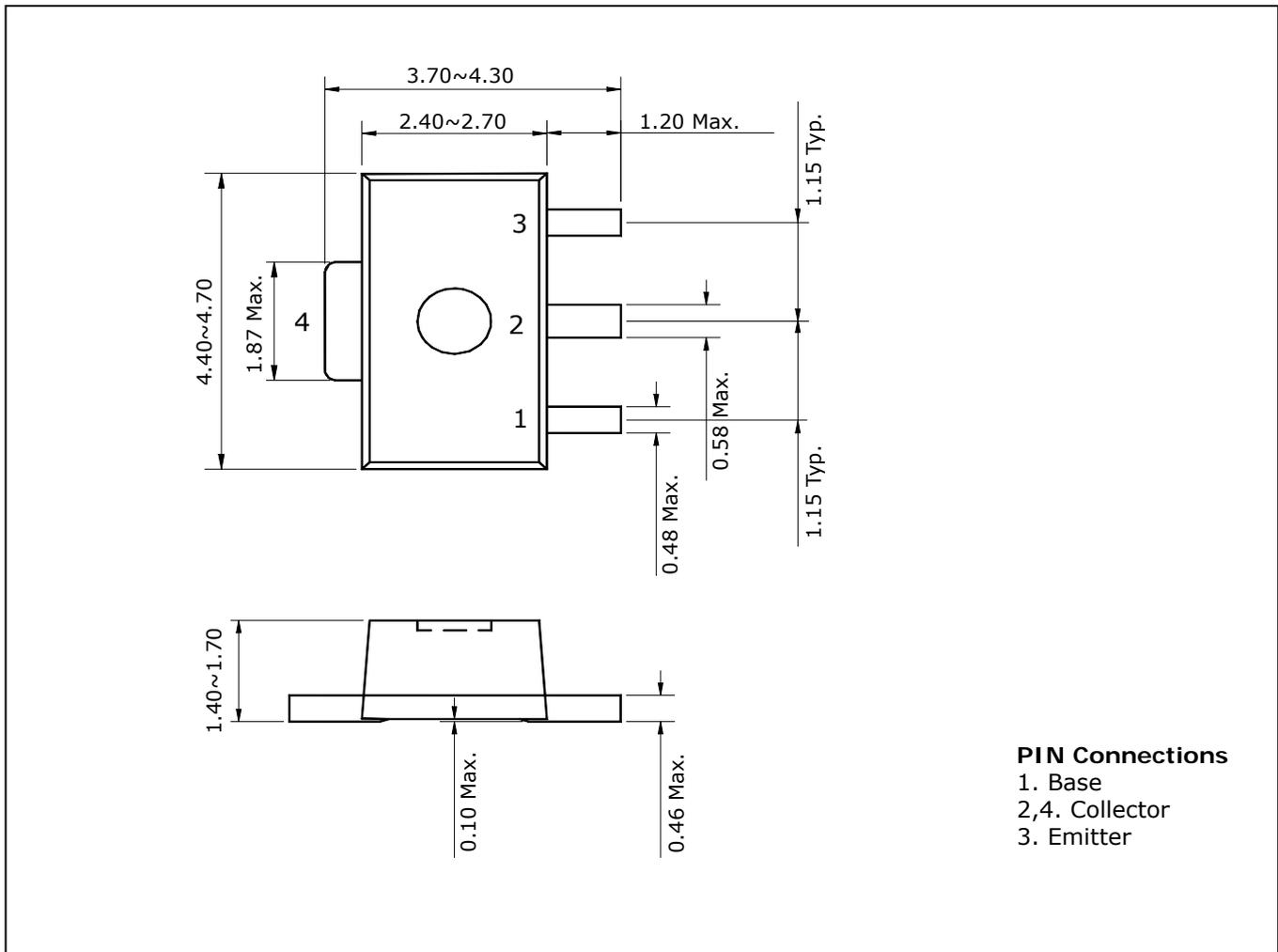
- Low saturation voltage:  $V_{CE(sat)}=0.15V$  Typ. @  $I_C=1A, I_B=50mA$
- Large collector current capacity:  $I_C=3A$
- Small and compact SMD type package
- Complementary pair with STA3350F

**Ordering Information**

Type NO.	Marking	Package Code
STC4350F	HW8	SOT-89

**Outline Dimensions**

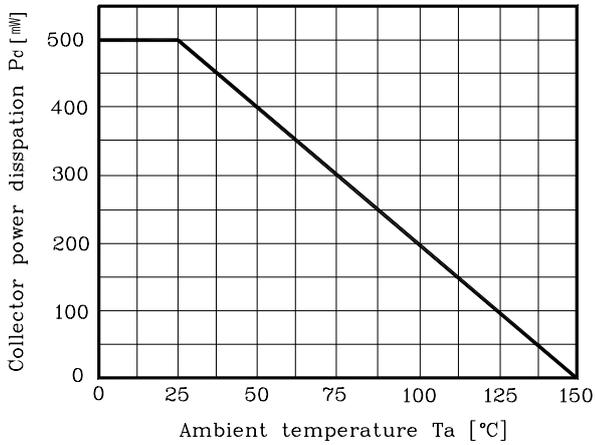
unit : mm



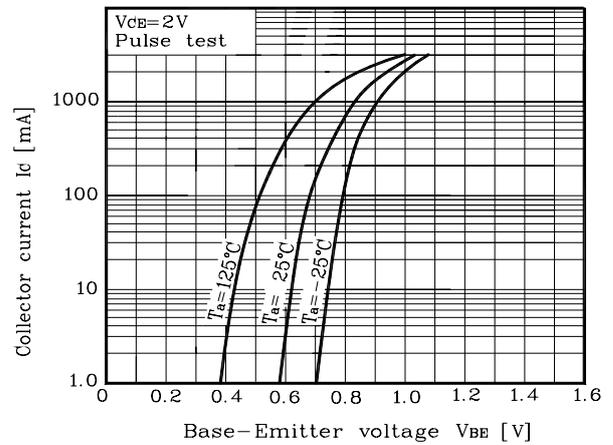


## Electrical Characteristic Curves

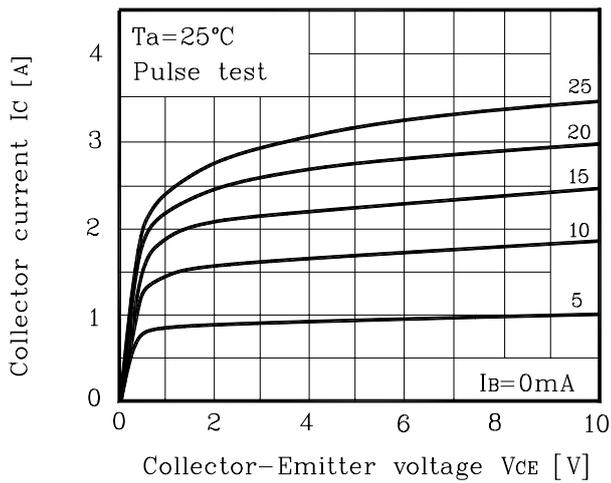
**Fig. 1**  $P_C - T_a$



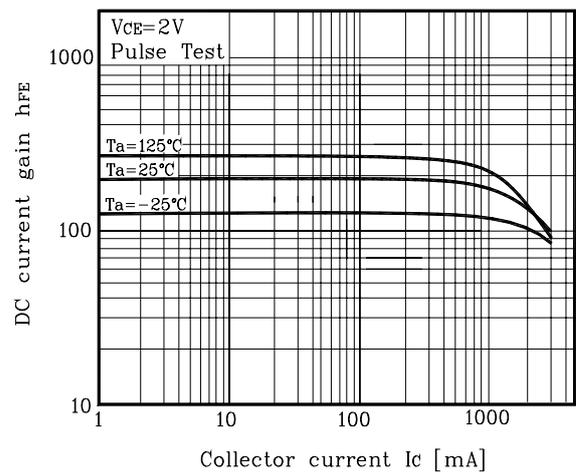
**Fig. 2**  $I_C - V_{BE}$



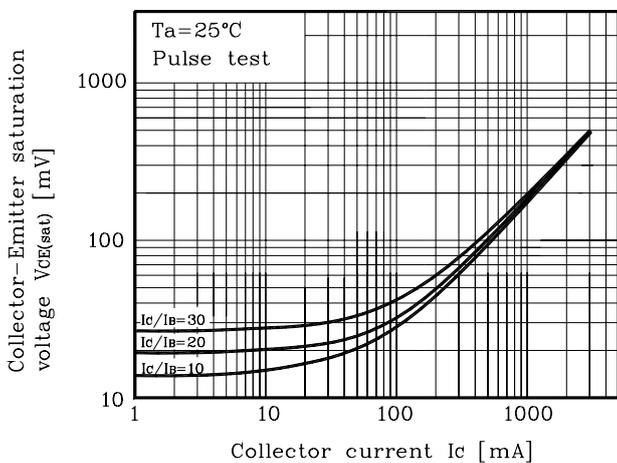
**Fig. 3**  $I_C - V_{CE}$



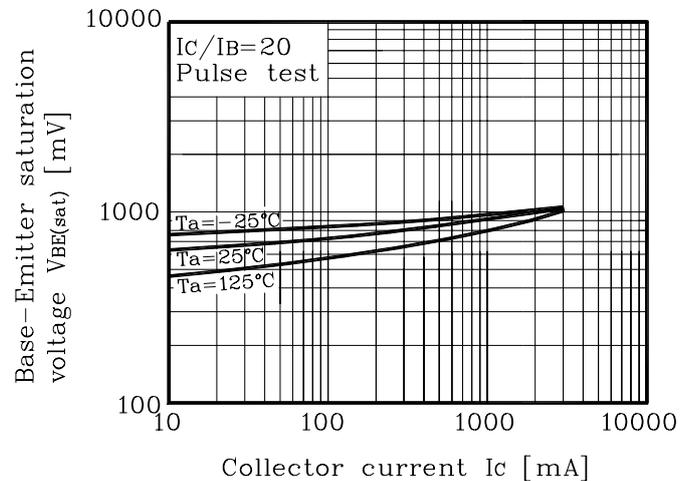
**Fig. 4**  $h_{FE} - I_C$



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



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



## Electrical Characteristic Curves

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

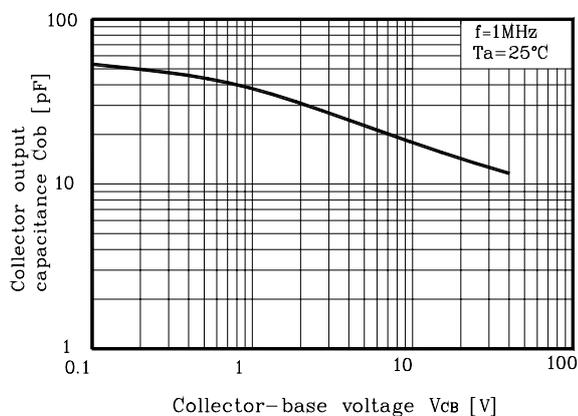
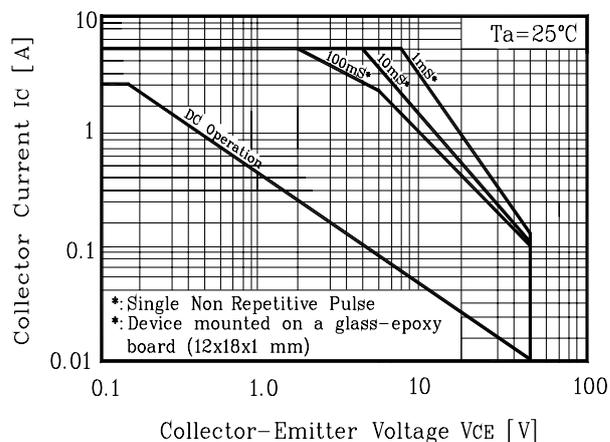


Fig. 8 Safe Operating Area



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