

# 2SC5686

Silicon NPN triple diffusion mesa type

Horizontal deflection output for TV, CRT monitor

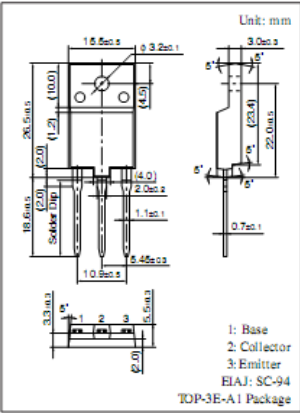
## Features

- High breakdown voltage:  $V_{CE0} \geq 2000$  V
- High-speed switching:  $t_f < 200$  ns
- Wide safe operation area

## Absolute Maximum Ratings $T_C = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Collector-base voltage (Emitter open)	$V_{CB0}$	2000	V
Collector-emitter voltage (E-B short)	$V_{CES}$	2000	V
Collector-emitter voltage (Base open)	$V_{CEO}$	600	V
Emitter-base voltage (Collector open)	$V_{EB0}$	7	V
Base current	$I_B$	11	A
Collector current	$I_C$	20	A
Peak collector current *	$I_{CP}$	30	A
Collector power dissipation	$P_C$	70	W
		3.5	
$T_a = 25^{\circ}\text{C}$			
Junction temperature	$T_j$	150	$^{\circ}\text{C}$
Storage temperature	$T_{stg}$	-55 to +150	$^{\circ}\text{C}$

Note) \*: Non-repetitive peak collector current



## Internal Connection

