

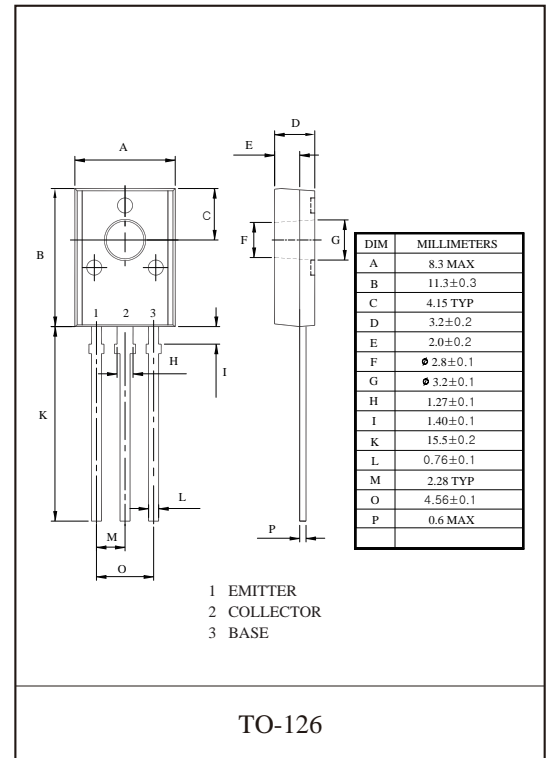
### AUDIO FREQUENCY POWER AMPLIFIER LOW SPEED SWITCHING

#### FEATURES

- Complementary to FTD882.

#### MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CBO}$	-40	V
Collector-Emitter Voltage	$V_{CEO}$	-30	V
Emitter-Base Voltage	$V_{EBO}$	-6	V
Collector Current	DC $I_C$	-3	A
Collector Power Dissipation	$T_a=25^\circ\text{C}$ $P_C$	1.25	W
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55 ~ 150	°C



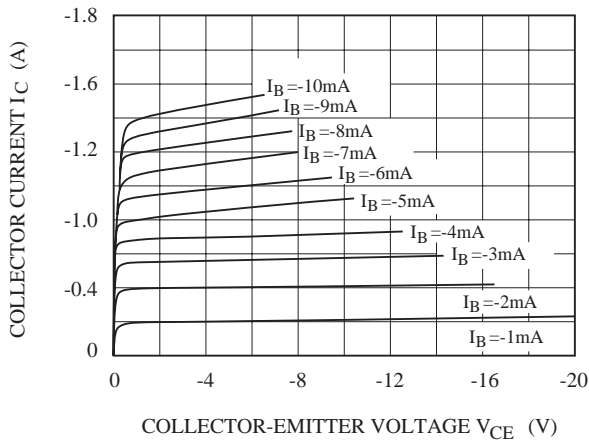
#### ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=-30V, I_E=0$	-	-	-1	$\mu\text{A}$
Emitter-Cut-off Current	$I_{EBO}$	$V_{EB}=-3V, I_C=0$	-	-	-1	$\mu\text{A}$
DC Current Gain	* $h_{FE}$	$V_{CE}=-2V, I_C=-1A$	60	-	400	
Collector-Emitter Saturation Voltage	* $V_{CE(sat)}$	$I_C=-2A, I_B=-0.2A$	-	-	-0.5	V
Base-Emitter Saturation Voltage	* $V_{BE(sat)}$	$I_C=-2V, I_B=-0.2A$	-	-	-1.5	V
Current Gain Bandwidth Product	$f_T$	$I_{CE}=-5V, I_C=-0.1A$	-	80	-	MHz

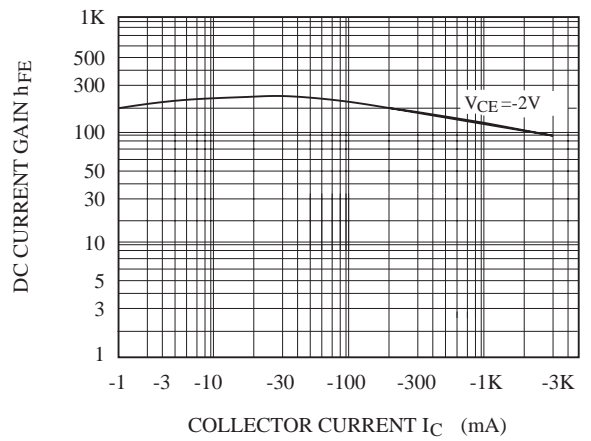
\* Pulse Test : Pulse Width  $\leq 350\mu\text{s}$ , Duty Cycle  $\leq 2\%$  Pulsed

Note:  $h_{FE}(2)$  Classification R : 60~120, O : 100~200, Y : 160~320, GR : 200~400

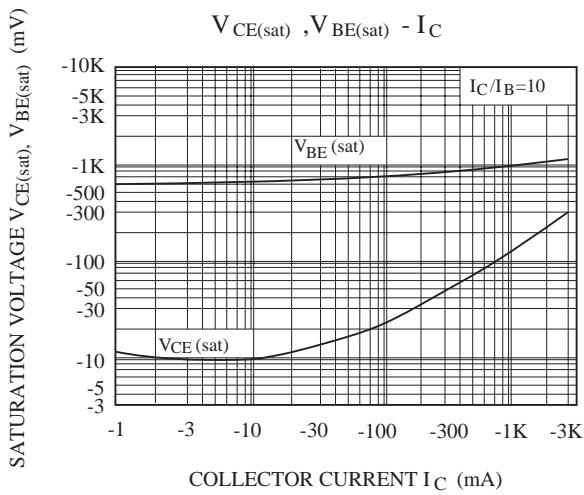
$I_C - V_{CE}$



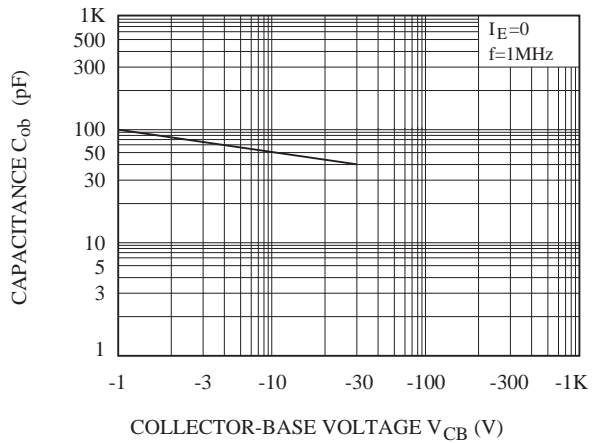
$h_{FE} - I_C$



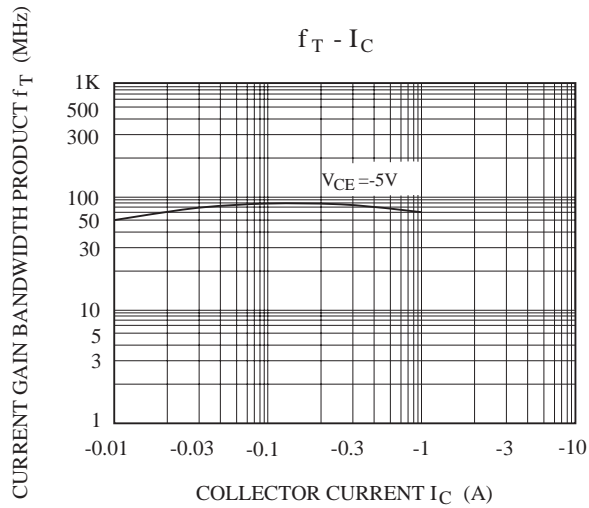
$V_{CE(sat)}, V_{BE(sat)} - I_C$



$C_{ob} - V_{CB}$



$f_T - I_C$



SAFE OPERATING AREA

