

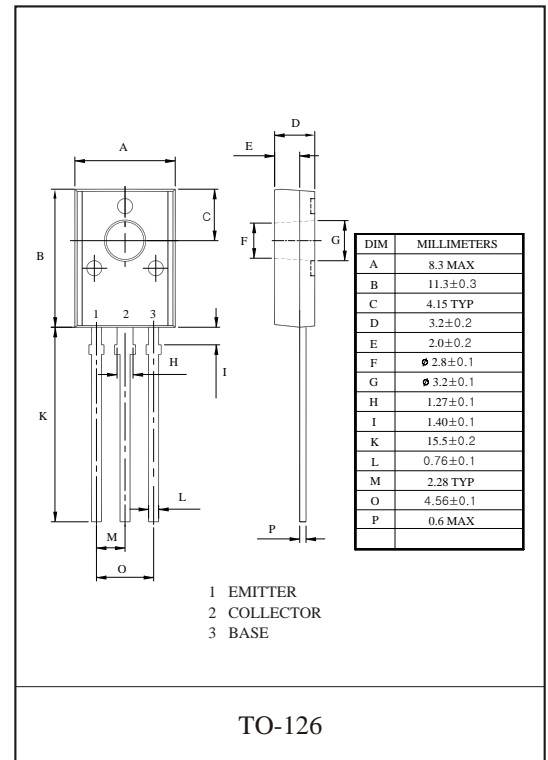
AUDIO FREQUENCY POWER AMPLIFIER LOW SPEED SWITCHING

FEATURES

- Complementary to FTB772.

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	μA
Emitter-Cut-off Current	I_{EBO}	$V_{EB}=3V, I_C=0$	-	-	1	μA
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	$I_{CE}=5V, I_C=0.1A$	-	90	-	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

