

TOSHIBA TRANSISTOR SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

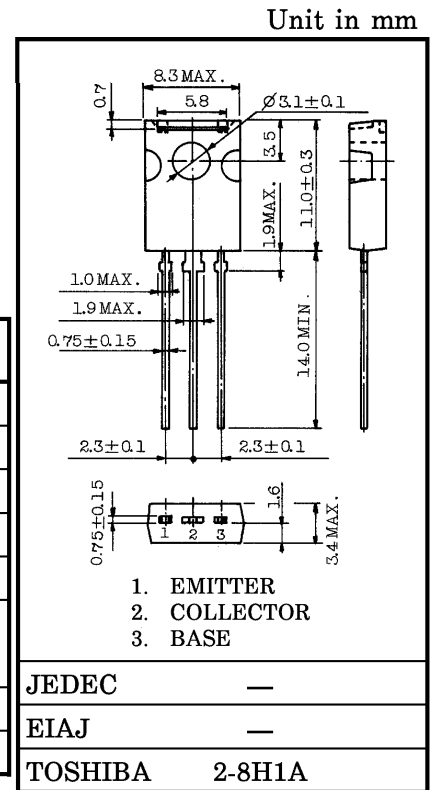
# 2SA1358

AUDIO FREQUENCY POWER AMPLIFIER APPLICATIONS.

- Complementary to 2SC3421
- Suitable for Driver of 60 to 80 Watts.
- High Breakdown Voltage.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V <sub>CB0</sub>	-120	V
Collector-Emitter Voltage	V <sub>CEO</sub>	-120	V
Emitter-Base Voltage	V <sub>EBO</sub>	-5	V
Collector Current	I <sub>C</sub>	-1	A
Base Current	I <sub>B</sub>	-100	mA
Collector Power Dissipation	P <sub>C</sub>	Ta = 25°C	1.5
		Tc = 25°C	10
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	-55~150	°C

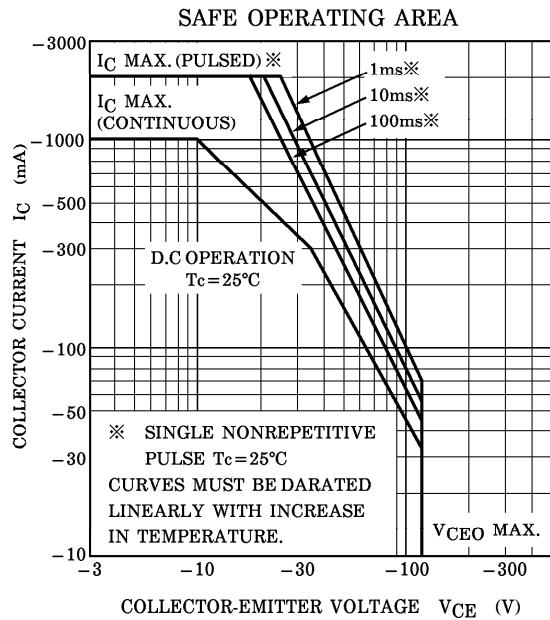
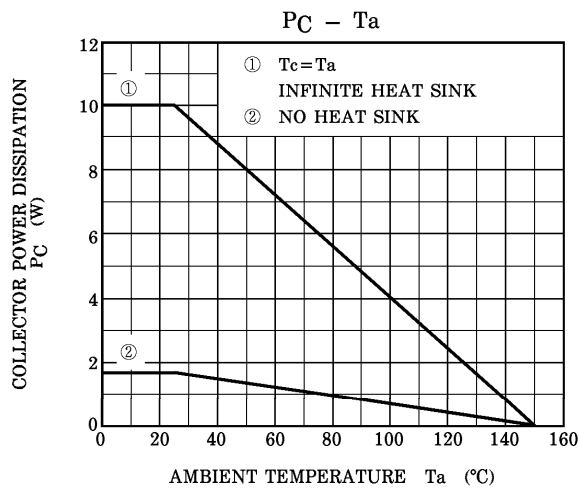
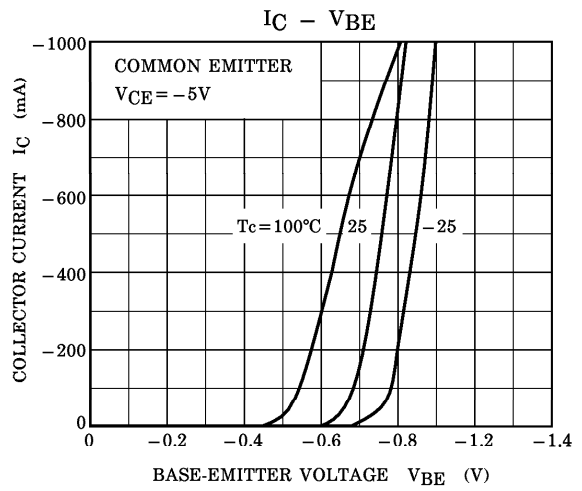
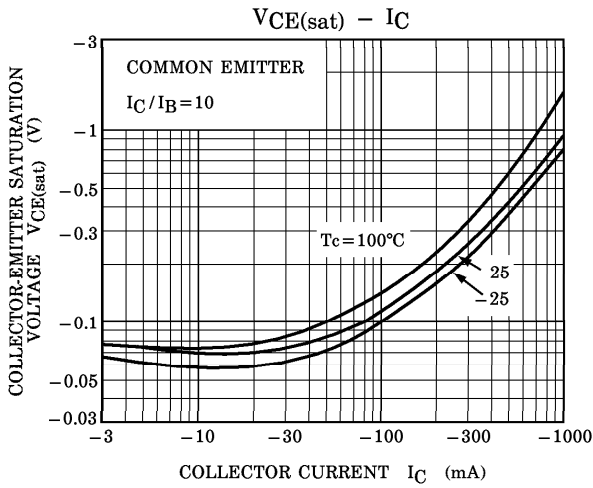
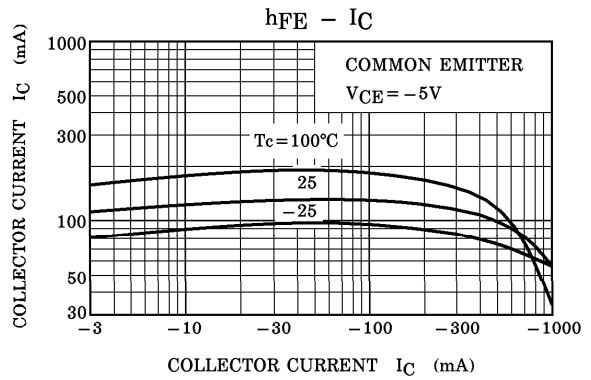
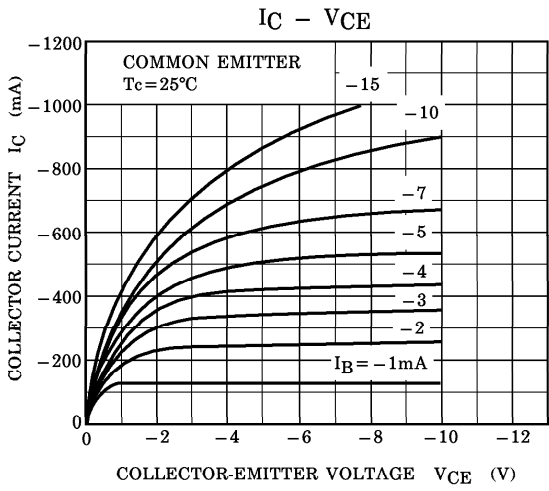


Weight : 0.82g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I <sub>CBO</sub>	V <sub>CB</sub> = -120V, I <sub>E</sub> = 0	—	—	-100	nA
Emitter Cut-off Current	I <sub>EBO</sub>	V <sub>EB</sub> = -5V, I <sub>C</sub> = 0	—	—	-100	nA
Collector-Emitter Breakdown Voltage	V <sub>(BR)CEO</sub>	I <sub>C</sub> = -10mA, I <sub>B</sub> = 0	-120	—	—	V
Emitter-Base Breakdown Voltage	V <sub>(BR)EBO</sub>	I <sub>E</sub> = -1mA, I <sub>C</sub> = 0	-5	—	—	V
DC Current Gain	h <sub>FE</sub> (Note)	V <sub>CE</sub> = -5V, I <sub>C</sub> = -100mA	80	—	240	
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> = -500mA, I <sub>B</sub> = -50mA	—	-0.40	-1.0	V
Base-Emitter Voltage	V <sub>BE</sub>	V <sub>CE</sub> = -5V, I <sub>C</sub> = -500mA	—	-0.77	-1.0	V
Transition Frequency	f <sub>T</sub>	V <sub>CE</sub> = -5V, I <sub>C</sub> = -100mA	—	120	—	MHz
Collector Output Capacitance	C <sub>ob</sub>	V <sub>CB</sub> = -10V, I <sub>E</sub> = 0, f = 1MHz	—	30	—	pF

Note : h<sub>FE</sub> Classification    O : 80~160,    Y : 120~240



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