

S1955

SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

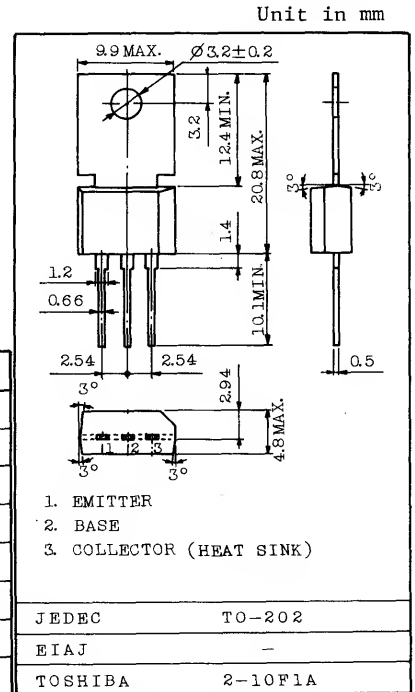
POWER AMPLIFIER APPLICATIONS.

FEATURES:

- . Suitable for TV Sound Output, Vert. Deflection Output.
- . Designed for Complementary Use with S1954.

MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CB0}	-60	V
Collector-Emitter Voltage	V_{CE0}	-50	V
Emitter-Base Voltage	V_{EB0}	-5	V
Collector Current	I_C	-1.5	A
Emitter Current	I_E	1.5	A
Collector Power Dissipation	P_C	1.5	W
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-55 ~ 150	$^{\circ}\text{C}$



Weight : 1.4g

ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}\text{C}$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CB0}	$V_{CB}=-50\text{V}, I_E=0$	-	-	-1.0	μA
Emitter Cut-off Current	I_{EB0}	$V_{EB}=-5\text{V}, I_C=0$	-	-	-1.0	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CE0}$	$I_C=-10\text{mA}, I_B=0$	-50	-	-	V
DC Current Gain	h_{FE}	$V_{CE}=-2\text{V}, I_C=-150\text{mA}$	70	-	240	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-1\text{A}, I_B=-0.1\text{A}$	-	-	-1.0	V
Base-Emitter Voltage	V_{BE}	$V_{CE}=-10\text{V}, I_C=-10\text{mA}$	-0.50	-0.60	-0.70	V
Transition Frequency	f_T	$V_{CE}=-10\text{V}, I_C=-100\text{mA}$	50	100	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=-10\text{V}, I_E=0, f=1\text{MHz}$	-	30	-	pF

