

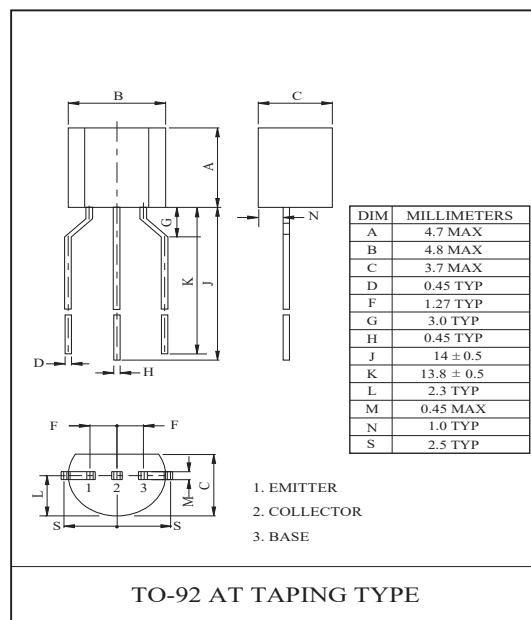
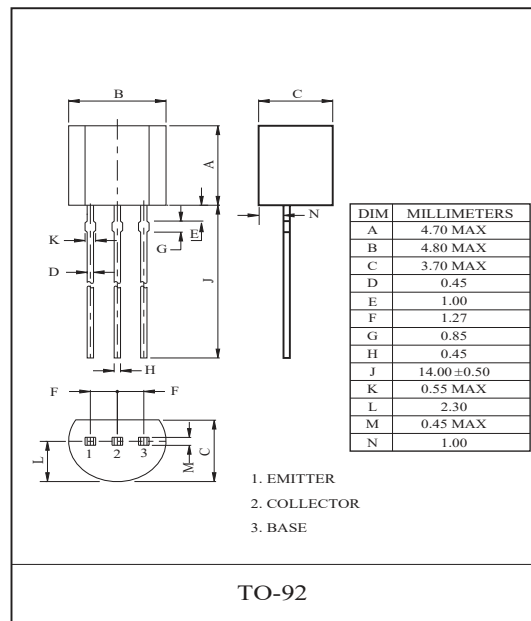
POWER AMPLIFIER APPLICATION.
POWER SWITCHING APPLICATION.

FEATURES

- Low Saturation Voltage.
: $V_{CE(sat)}=0.5V(\text{Max.})$ at $I_C=2A$
- Complementary to KTA1296.

MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	20	V
Collector-Emitter Voltage	V_{CEO}	20	V
Emitter-Base Voltage	V_{EBO}	6	V
Collector Current	I_C	2	A
Base Current	I_B	0.5	A
Collector Power Dissipation	P_C	625	mW
Junction Temperature	T_j	150	℃
Storage Temperature Range	T_{stg}	-55 ~ 150	℃



ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=20V, I_E=0$	-	-	0.1	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=6V, I_C=0$	-	-	0.1	μA
DC Current Gain	$h_{FE(1)}$ (Note)	$V_{CE}=2V, I_C=0.1A$	120	-	400	
	$h_{FE(2)}$	$V_{CE}=2V, I_C=2A$	75	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=2A, I_B=0.1A$	-	-	0.5	V
Base-Emitter Voltage	V_{BE}	$V_{CE}=2V, I_C=0.1A$	-	-	0.85	V
Transition Frequency	f_T	$V_{CE}=2V, I_C=0.5A$	-	120	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10V, I_E=0, f=1MHz$	-	30	-	pF

Note : $h_{FE(1)}$ Classification Y:120 ~ 240, GR:200 ~ 400

