

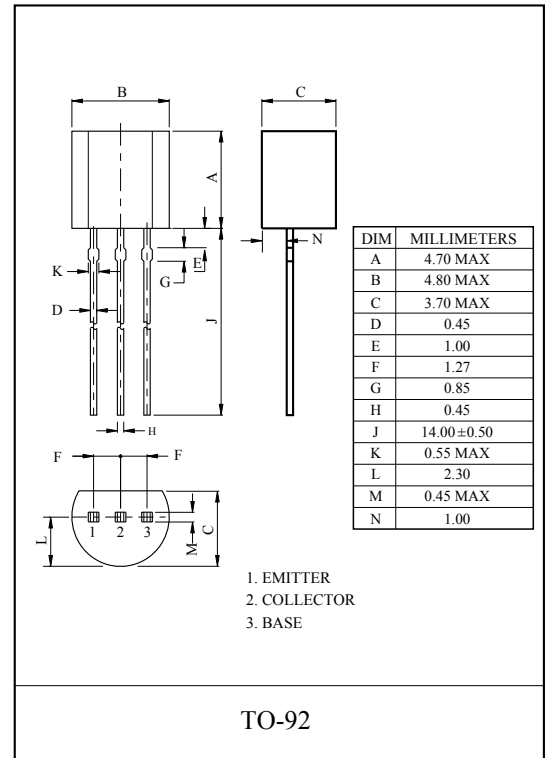
POWER AMPLIFIER APPLICATION.  
POWER SWITCHING APPLICATION.

### FEATURES

- Low Saturation Voltage.  
:  $V_{CE(sat)} = -0.5V(\text{Max.})$  at  $I_C = -2A$
- Complementary to KTC3266.

### MAXIMUM RATING (Ta=25°C)

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	°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	$I_{CBO}$	$V_{CB} = -20V, I_E = 0$	-	-	-0.1	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB} = -6V, I_C = 0$	-	-	-0.1	$\mu A$
DC Current Gain	$h_{FE(1)}$ (Note)	$V_{CE} = -2V, I_C = -0.1A$	120	-	400	
	$h_{FE(2)}$	$V_{CE} = -2V, I_C = -2A$	40	-	-	
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	$C_{ob}$	$V_{CB} = -10V, I_E = 0, f = 1MHz$	-	40	-	pF

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

# KTA1296

