

9097250 TOSHIBA (DISCRETE/OPTO)

56C 07285 DT-33-21

**SILICON PNP TRIPLE DIFFUSED TYPE**

**2SA1263**

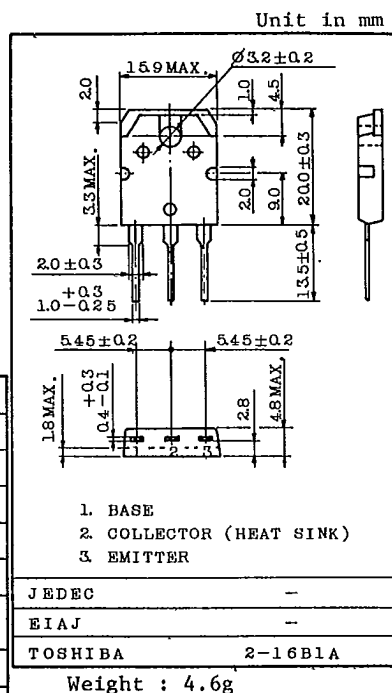
POWER AMPLIFIER APPLICATIONS.

### FEATURES:

- . Complementary to 2SC3180
- . Recommend for 40W High Fidelity Audio Frequency Amplifier Output Stage.

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CB0}$	-80	V
Collector-Emitter Voltage	$V_{CE0}$	-80	V
Emitter-Base Voltage	$V_{EB0}$	-5	V
Collector Current	$I_C$	-6	A
Base Current	$I_B$	-0.6	A
Collector Power Dissipation ( $T_c=25^{\circ}\text{C}$ )	$P_C$	60	W
Junction Temperature	$T_j$	150	$^{\circ}\text{C}$
Storage Temperature Range	$T_{stg}$	-55 ~ 150	$^{\circ}\text{C}$



### ELECTRICAL CHARACTERISTICS (Ta=25°C)

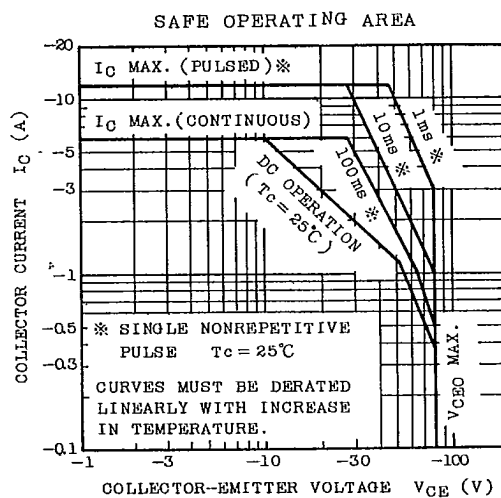
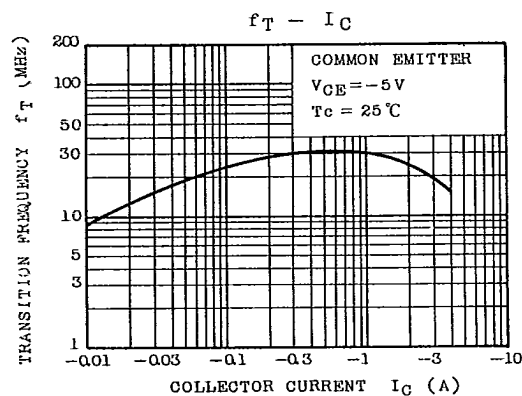
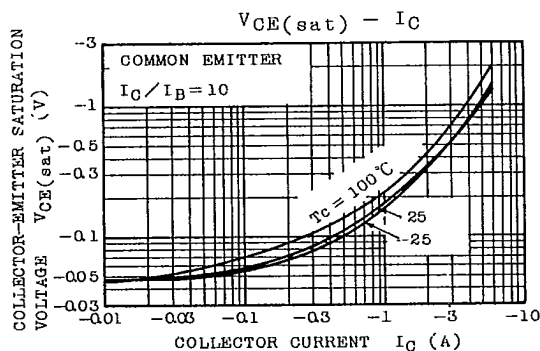
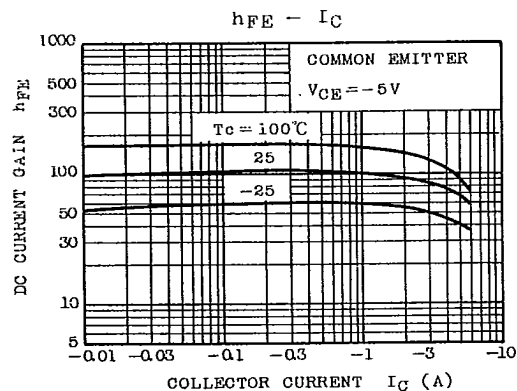
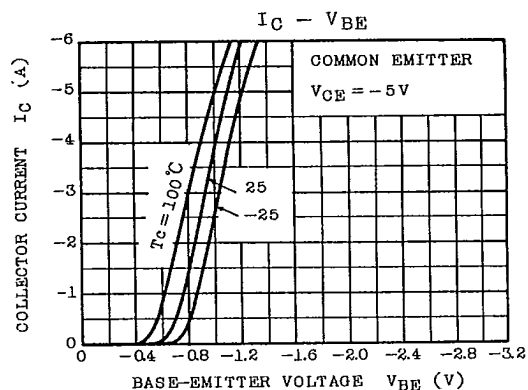
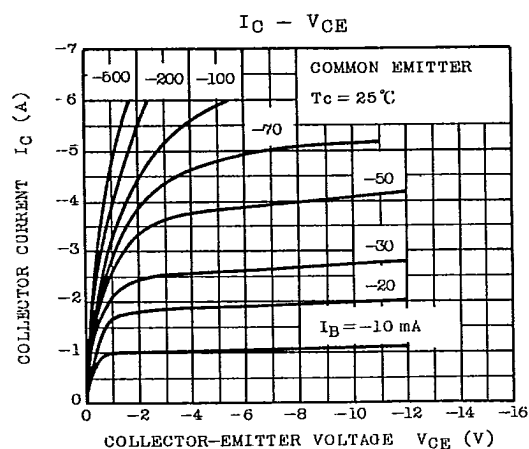
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=80V, I_E=0$	-	-	-5.0	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB}=-5V, I_C=0$	-	-	-5.0	$\mu A$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=-50mA, I_B=0$	-80	-	-	V
DC Current Gain	$h_{FE(1)}$ (Note)	$V_{CE}=-5V, I_C=-1A$	55	-	160	-
	$h_{FE(2)}$	$V_{CE}=-5V, I_C=-3A$	35	80	-	-
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-5A, I_B=-0.5A$	-	-1.0	-2.0	V
Base-Emitter Voltage	$V_{BE}$	$V_{CE}=-5V, I_C=-3A$	-	-0.95	-1.5	V
Transition Frequency	$f_T$	$V_{CE}=-5V, I_C=-1A$	-	30	-	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=-10V, I_E=0, f=1MHz$	-	290	-	pF

Note : h<sub>FE</sub>(1)    Classification    R : 55~110    O : 80~160

**|||TOSHIBA CORPORATION**

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