9097250 TOSHIBA (DISCRETE/OPTO) 56C 07287 D7-33-21

SILICON PNP TRIPLE DIFFUSED TYPE

2SA1264

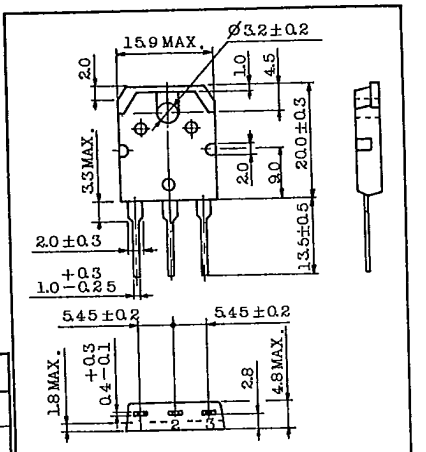
POWER AMPLIFIER APPLICATIONS.

FEATURES:

. Complementary to 2SC3181

. Recommend for 55W High Fidelity Audio Frequency Amplifier Output Stage.

Unit in mm



1. BASE
2. COLLECTOR (HEAT SINK)
3. EMITTER

JEDEC	—
EIAJ	—
TOSHIBA	2-16B1A

Weight : 4.6g

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-120	V
Collector-Emitter Voltage	V_{CEO}	-120	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-8	A
Base Current	I_B	-0.8	A
Collector Power Dissipation (Tc=25°C)	P_C	80	W
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}=-120V, I_E=0	-	-	-5.0	μA
Emitter Cut-off Current	I_{EBO}	V_{EB}=-5V, I_C=0	-	-	-5.0	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	I_C=-50mA, I_B=0	-120	-	-	V
DC Current Gain	$h_{FE(1)}$ (Note)	V_{CE}=-5V, I_C=-1A	55	-	160	
	$h_{FE(2)}$	V_{CE}=-5V, I_C=-4A	35	75	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-6A, I_B=-0.6A	-	-0.80	-2.0	V
Base-Emitter Voltage	V_{BE}	V_{CE}=-5V, I_C=-4A	-	-0.97	-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	-	420	-	pF

Note : $h_{FE(1)}$ Classification R : 55 ~ 110 O : 80 ~ 160

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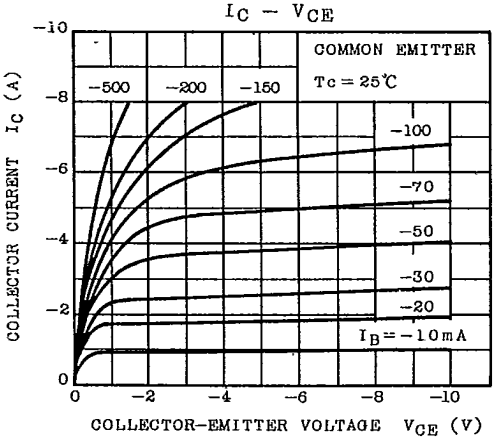
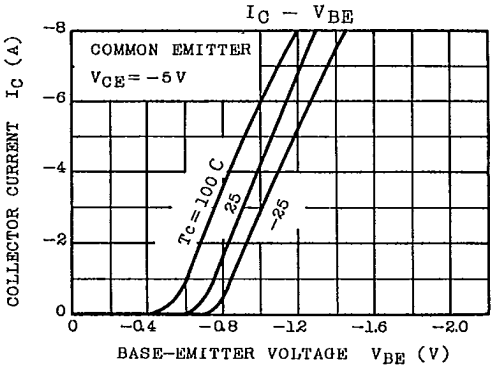
2SA1264

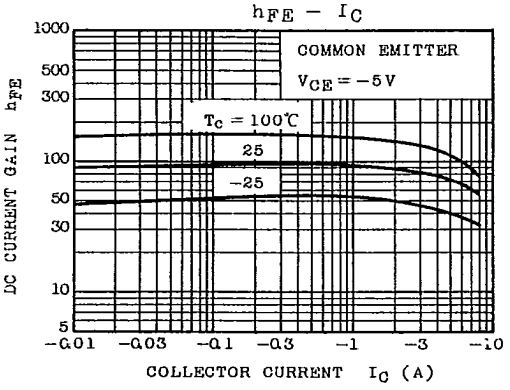
$I_C - V_{CE}$



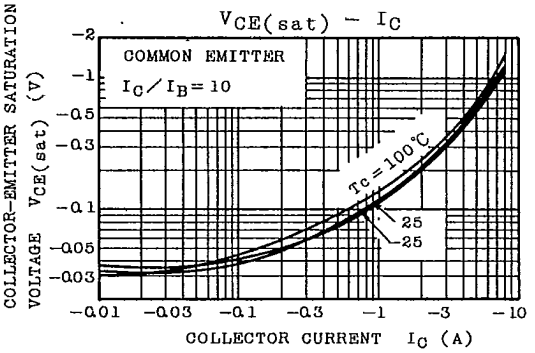
$I_C - V_{BE}$



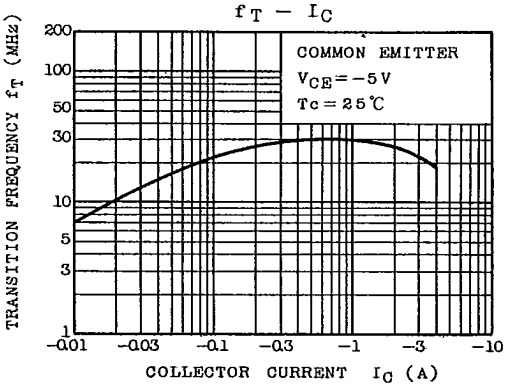
$h_{FE} - I_C$



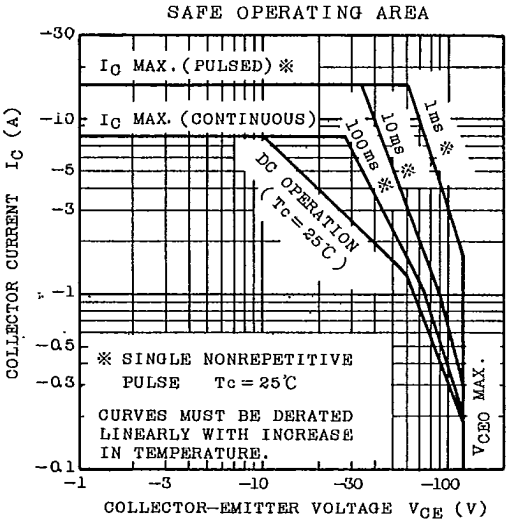
$V_{CE(sat)} - I_C$



$f_T - I_C$



SAFE OPERATING AREA



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