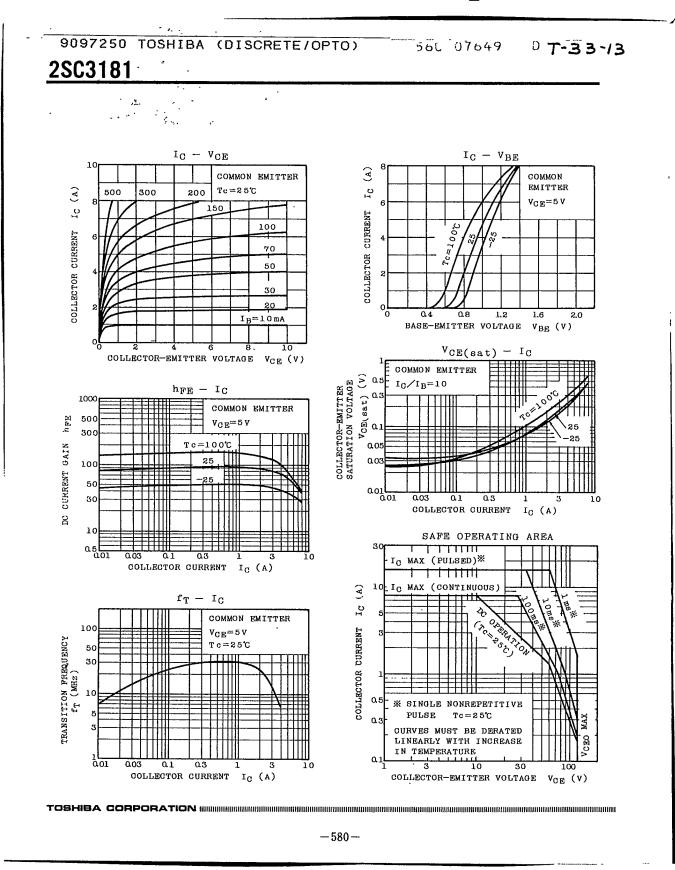
BA {DISCRETE/OPTO}			56	DE 9097	250	0007	648	
9097250 TOSHIBA (DISCRETE/OPTO) SILICON NPN TRIPLE DIFFUSED TYPE			56C 07648 D7-33-13 2SC3181					
POWER AMPLIFIER APPLICATIONS. FEATURES: . Complementary to 2SA1264 . Recommend for 55W High Fide: Amplifier Output Stage.	lity Audio 1	Frequency		2.0 ± 0.3 + 0.3 ± 0.1 ± 0.3 + 0.3 ± 0.1 ±		0011 11 337 135±05 200≍03 455 135±05 200±03		
MAXIMUM RATINGS (Ta=25 ⁰ C) CHARACTERISTIC Collector-Base Voltage	SYMBOL V _{CBO}	RATING 120 120	UNIT V V	545±0.2 107 107 107 107 107 107 107 107	00 00 02 3	AAX.		
Collector-Emitter Voltage Emitter-Base Voltage Collector Current	V _{CEO} V _{EBO} I _C	5	V V A	1. BASE 2. COLLECTOR (HEAT SINK) 3. EMITTER				
Base Current Collector Power Dissipation (Tc=25 ^o C)	I _B P _C	0.8	A W	JEDEC EIAJ TOSHIBA		- - -16 B1A		
Junction Temperature Storage Temperature Range	Tj Tstg	150 -55 ~150	°c °c	Weight :		TODIA		
ELECTRICAL CHARACTERISTICS (T CHARACTERISTIC	a=25 ⁰ C) SYMBOL	TEST C	ONDITI	ON MIN.	TYP.	MAX.	UNIT	
Collector Cut-off Current	I _{CBO}	V _{CB} =120V,		-	-	5.0	μA	
Emitter Cut-off Current Collector-Emitter Breakdown Voltage	U (BR) CEO	V _{EB} =5V, I _C I _C =50mA, I		120	-	5.0	μA V	
DC Current Gain	hFE(1) (Note)	V _{CE} ≕5V, I _C	=1A	55	-	160		
1		1			1	1	I	

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	ICBO	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	hFE(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	-	0.35	2.0	v
Base-Emitter Voltage	V _{BE}	V _{CE} =5V, I _C =4A	-	0.95	1.5	V
Transition Frequency	f _T	V _{CE} =5V, I _C =1A	-	30	-	MHz
Collector Output Capacitance	Cob	V_{CB} =10V, I_E =0, f=1MHz	-	190	-	pF

Note : $h_{FE(1)}$ Classification, R : 55~110 0 : 80~160 .

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TOSHIBA {DISCRETE/OPTO}



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