9097250 TOSHIBA (DISCRETE/OPTO)

56C 07881

T-33-35

2SD1166

SILICON NPN TRIPLE DIFFUSED MESA TYPE (DARLINGTON POWER)

HIGH POWER SWITCHING APPLICATION AC & DC MOTOR CONTROL APPLICATION INVERTER APPLICATION

FEATURES:

- . High Voltage : VCEO(SUS)>900V
- Triple Diffused Design
- . Darlington Design

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Collector-Base Voltage	V _{CBO}	1000	V	
Collector-Emitter Voltage	V _{CEO} (SUS)	900	v	
Emitter-Base Voltage	V _{EBO}	6	V	
Collector Current	Ic	200		
Emitter Current	IE	-200	A	
Base Current	IB	12	A	
Thermal Resistance (Double Side Cooling)	(D. 1 / 1) 0 0/		°C/W	
Junction Temperature	Тj	125	°c	
Storage Temperature	Tstg	-40~150	°c	
Mounting Force Required	F	1000±100	kġ	

	Unit in mm
	2-Ø52±02 DEEP 25±04 8 % 4MIN.
T	M61MAX. 160±8 M35 M35 M4.3±01 D4.3±01 D4.3±01 D4.3±01 A COLLECTOR
-	JEDEC -
_	TOSHIBA 2-67BlA
İ	2-67B1A

Weight: 250g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARAC'	TERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Curre Transfer Rat		hFE	V _{CE} =5V, I _C =200A	80	200	-	
Collector-Em: Sustaining Vo		V _{CEO} (sus)	IC=0.5A, L=40mH	900	_	-	V
Base-Emitter		VCE(sat)	I _C =200A, I _B =5A (Note)	_	-	2.0	V
		VBE(sat)			-	2.5	V
		ICEO	V _{CE} =900V, I _B =0	-	1.0	3.0	mA
Emitter Cut-off Current I		IEBO	V _{EB} =6V, I _C =0	_	300	2000	mA
Switching Time	Turn-on Time	ton	I _C =200A, I _{B1} =4A, -I _{B2} =8A, V _C =600V		1.8	3.0	μS
	Storage Time	tstg		-	24	30	μs
	Fall Time	tf			4.0	8.0	μs

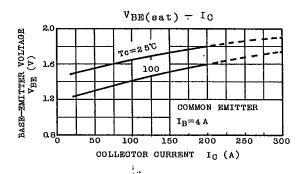
Note: Pulse Test; Pulse Width≤300 µs Duty Cycle≤3% Mounting Foce; F=1000kg

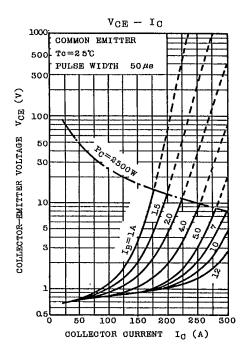
TOSHIBA CORPORATION IIII MIRANGA CORPORATION III MIRANGA COMPONING
9097250 TOSHIBA (DISCRETE/OPTO)

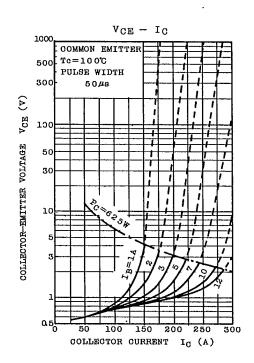
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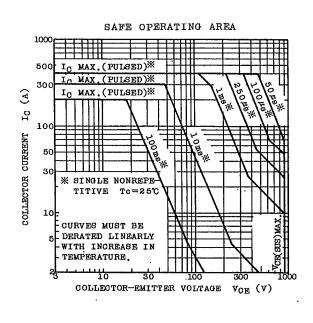


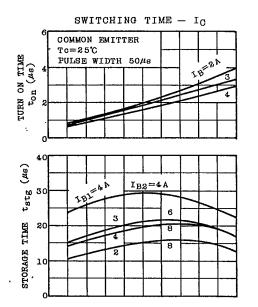


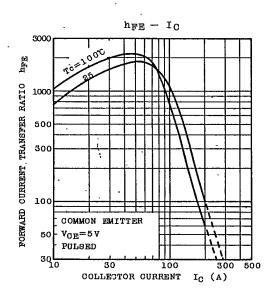


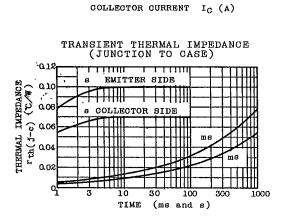
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FALL TIME tf (48)