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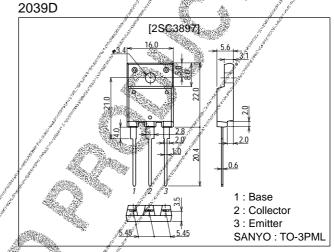
Ultrahigh-Definition CRT Display Horizontal Deflection Output Applications

Features

- · High speed ($t_f=100$ ns typ).
- · High reliability (Adoption of HVP process).
- · High breakdown voltage (V_{CBO}=1500V).
- · Adoption of MBIT process.

Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at $Ta = 25^{\circ}C$

Parameter	Symbol	Ratings	Unit
Collector-to-Base Voltage	V _{CB} O	1500	V
Collector-to-Emitter Voltage	VCEO	800	V
Emitter-to-Base Voltage	V _{EBO}	6	V
Collector Current	//Ic	10	Α
Collector Current (Pulse)	ICP	25	Α
Collector Dissipation		3.0	W
		70	W
Junction Temperature		150	°C
Storage Temperature	Tstg	-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
Faianietei	Syllibol		min	typ	max	O'III
Collector Cutoff Current	Сво	V _{CB} =800V, I _E =0			10	μA
	lç∉ş⁄″	V _{CE} =1500V, R _{BE} =0			1.0	mA
Collector-to-Emitter Sastain Voltage	VÇEQ(sus)	I _C =100mA, I _B =0	800			V
Emitter Cutoff Current	JEBO	V _{EB} =4V, I _C =0			1.0	mA
Collector-to-Emitter Saturation Voltage	CE(sat)	I _C =8A, I _B =2A			5	V
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =8A, I _B =2A			1.5	V

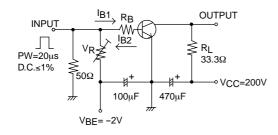
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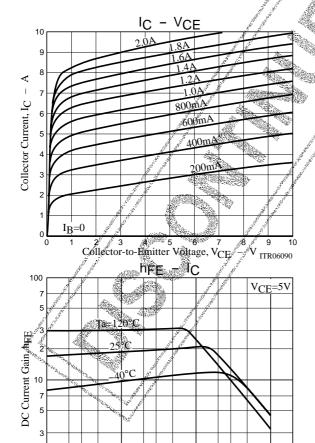
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Parameter	Symbol	Conditions	Ratings			Unit
i arameter			min	typ	max	Oille
DC Current Gain	h _{FE} 1	V _{CE} =5V, I _C =1A	8			
De Current Gain	h _{FE} 2	V _{CE} =5V, I _C =8A	. 4		8	
Storage Time	t _{stg}	I _C =6A, I _{B1} =1.2A, I _{B2} =-2.4A	11/10/10	Sec.	3.0	μs
Fall Time	t _f	I _C =6A, I _{B1} =1.2A, I _{B2} =-2.4A	And the second	0,1	0.2	μs

Switching Time Test Circuit





100m 2 3 5

2 3

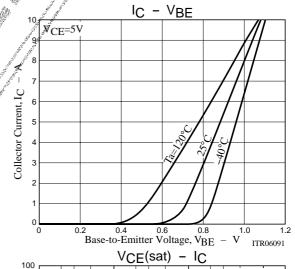
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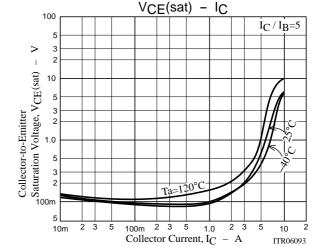
Collector Current, I_C - A

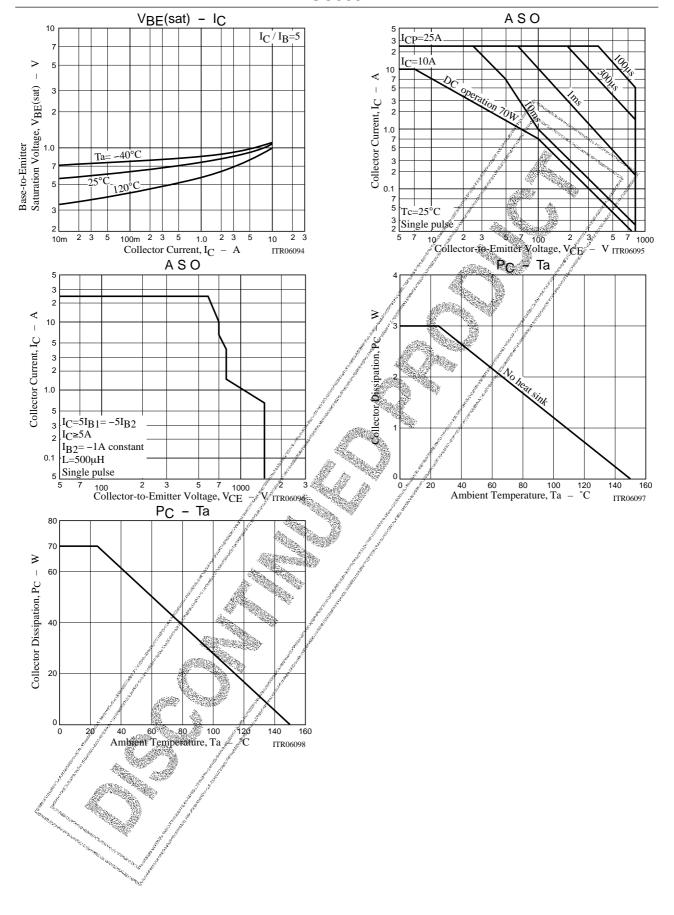
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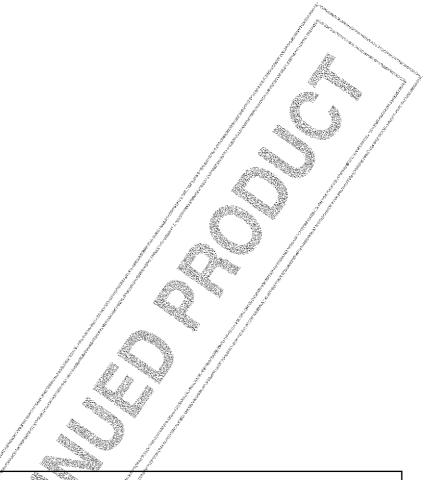
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ITR06092









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