

2SC3896

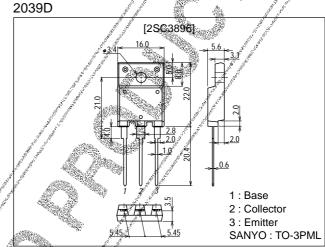
Ultrahigh-Definition CRT Display Horizontal Deflection Output Applications

Features

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

Package Dimensions

unit:mm



Specifications

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

Parameter		Symbol	Ratings	Unit
Collector-to-Base Voltage		V _{CB} Ó /	1500	V
Collector-to-Emitter Voltage		VCEO /	800	V
Emitter-to-Base Voltage		V _{EBO}	6	V
Collector Current		//Ic % //	8	Α
Collector Current (Pulse)	, se de la companya d	ICP.	25	Α
Collector Dissipation	11		3.0	W
		PG T6-25°C	70	W
Junction Temperature			150	°C
Storage Temperature	11 a	Tstg	-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
Falantetel			min	typ	max	Offic
Collector Cutoff Current	Сво	V _{CB} =800V, I _E =0			10	μA
Collector Cutoff Current	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			٧
Emitter Cutoff Current	/ JEBO	V _{EB} =4V, I _C =0			1.0	mA
Collector-to-Emitter Saturation Voltage	NCE(sat)	I _C =6A, I _B =1.5A			5	V
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =6A, I _B =1.5A			1.5	٧

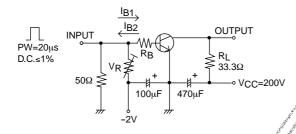
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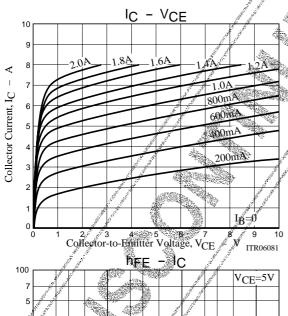
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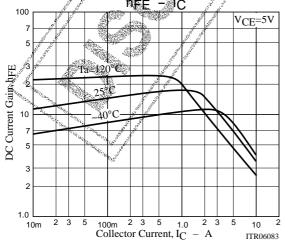
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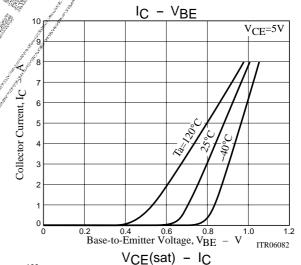
Parameter	Symbol	Conditions	Ratings			Unit
i didiffetei			min	typ	max	OI III
DC Current Gain	h _{FE} 1	V _{CE} =5V, I _C =1A	8			
De Current Gain	h _{FE} 2	V _{CE} =5V, I _C =6A	. 4		8	
Storage Time	t _{stg}	I _C =6A, I _{B1} =1.2A, I _{B2} =-2.4A	11/10/10	Sec.	3.0	μs
Fall Time	t _f	I _C =6A, I _{B1}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

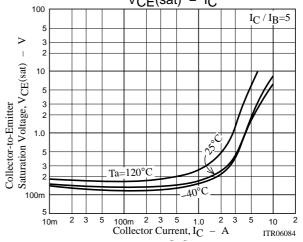
Switching Time Test Circuit

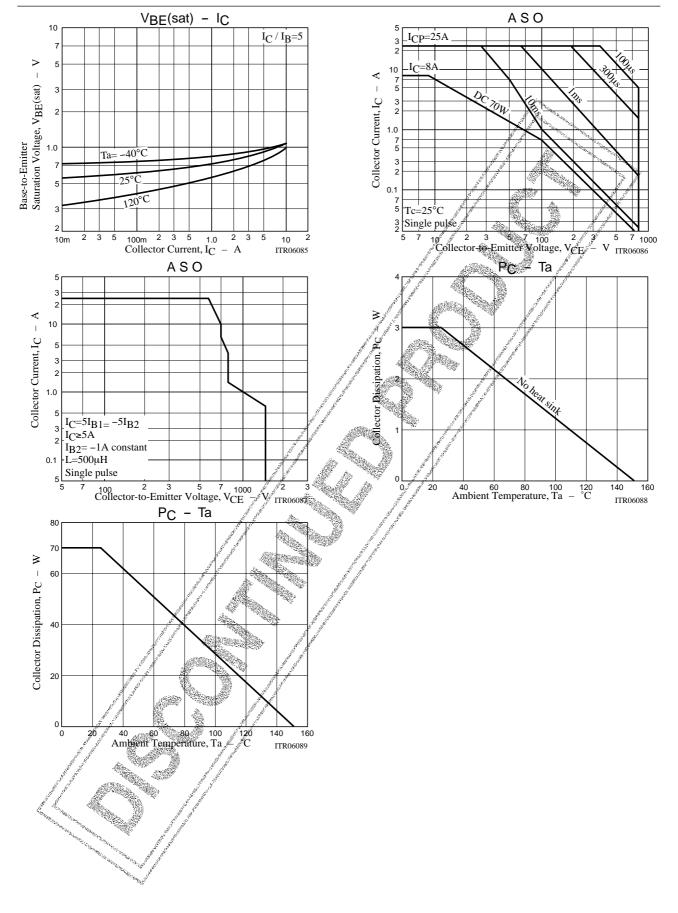


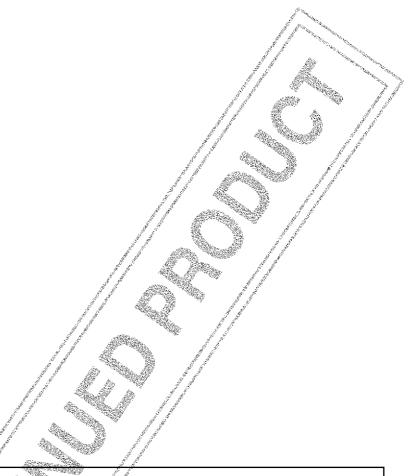












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