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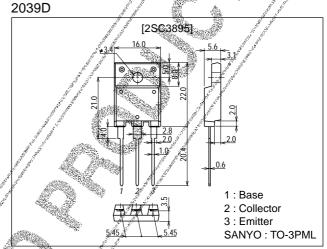
Ultrahigh-Definition CRT Display Horizontal Deflection Output Applications

Features

- · High speed (t_f=100ns typ).
- · High breakdown voltage (V_{CBO}=1500V).
- · High reliability (Adoption of HVP process).
- · 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	VCBO /	1500	V
Collector-to-Emitter Voltage	V.CEO //	800	V
Emitter-to-Base Voltage	V _E BO	6	V
Collector Current	//Ic	7	Α
Collector Current (Pulse)	ICP	16	Α
Collector Dissipation		3.0	W
	//	60	W
Junction Temperature		150	°C
Storage Temperature	Tstg //	-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
raianietei			min	typ	max	Oill
Collector Cutoff Current	Ісво	V _{CB} =800V, I _E =0			10	μA
	l _{CES} .∕	V _{CE} =1500V, R _{BE} =0			1.0	mA
Collector-to-Emitter Sastain Voltage	VCEQ(sus)	I _C =100mA, I _B =0	800			V
Emitter Cutoff Current	J∉BO	$V_{EB}=4V$, $I_{C}=0$			1.0	mA
Collector-to-Emitter Saturation Voltage	XCE(sat)	I _C =5A, I _B =1.2A			5	V
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =5A, I _B =1.2A			1.5	V

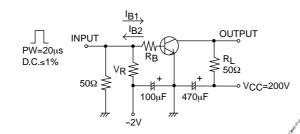
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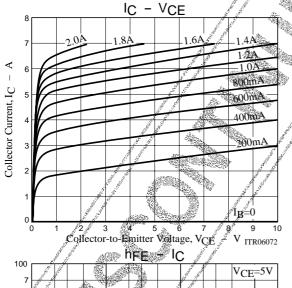
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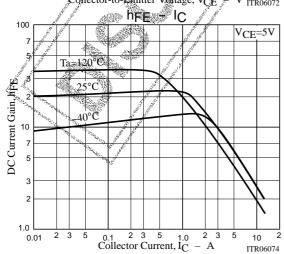
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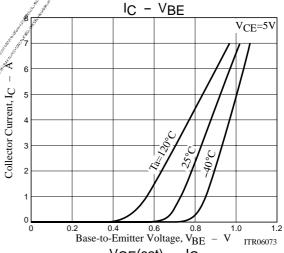
Parameter	Symbol	Conditions	Ratings			Unit
i arameter			min	typ	max	Office
DC Current Gain	h _{FE} 1	V _{CE} =5V, I _C =1.0A	8			
De Current Gain	h _{FE} 2	V _{CE} =5V, I _C =5A	. 4		8	
Storage Time	t _{stg}	I _C =4A, I _{B1} =0.8A, I _{B2} =-1.6A	11/10/10	Sec.	3.0	μs
Fall Time	t _f	I _C =4A, I _{B1} =0.8A, I _{B2} =-1.6A	And the second	0,1	0.2	μs

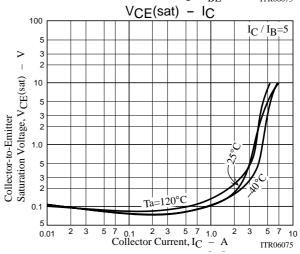
Switching Time Test Circuit



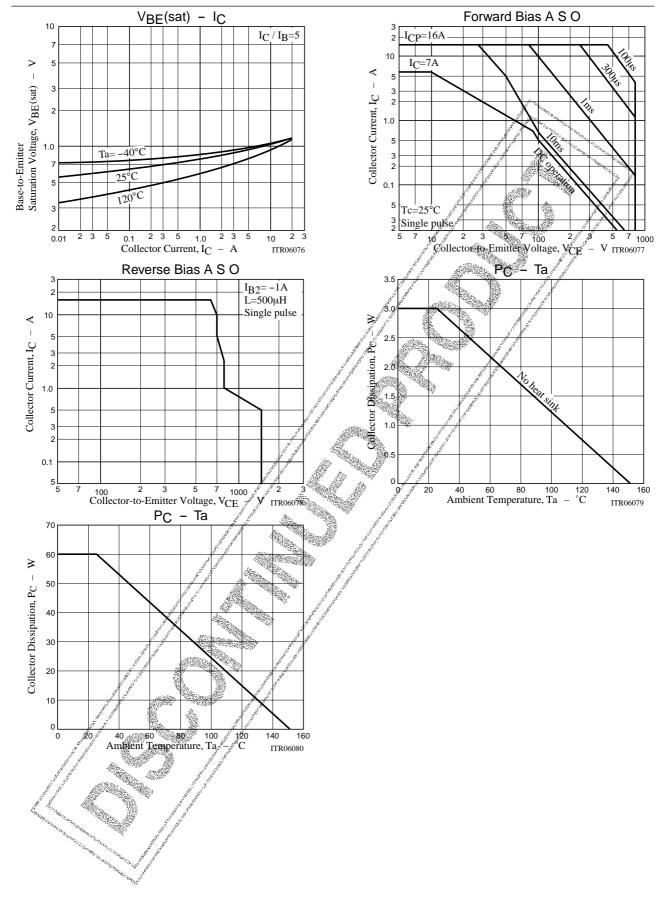


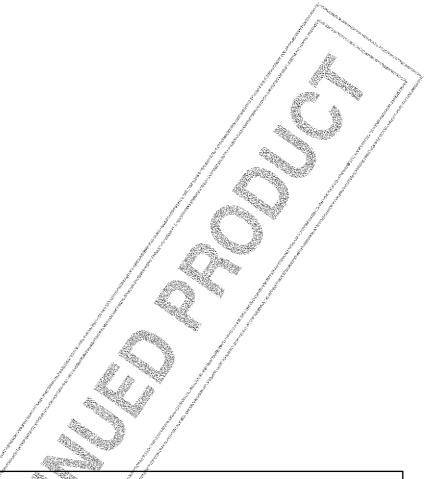






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