

2SC3688

Ultrahigh-Definition CRT Display Horizontal Deflection Output Applications

Applications

· Ultrahigh-definition color display horizontal deflection output.

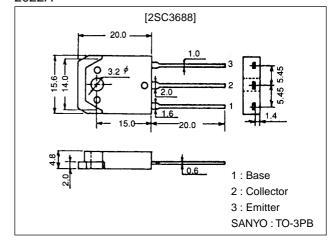
Features

- · Fast 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

2022A



Specifications

Absolute Maximum Ratings at Ta = 25°C

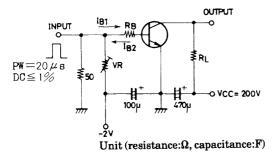
Parameter	Symbo	Cendition	Rating	Uni
Collector-to-Base Voltage	СВО		15/00	
Cଜllector-to-Emitter Voltage	CEO		80/0	
Elmitter-to-Base Voltage	EBO		6\	1
Cbllector Current	С		1A	
Cbllector Current (Pulse)	СР		2∄	
Cellector Dissipation	С	Tc=25°C	15/0	
Jjunction Temperature	Т		150	°C
Stgrage Temperature	Tst		-55 to +150	°C

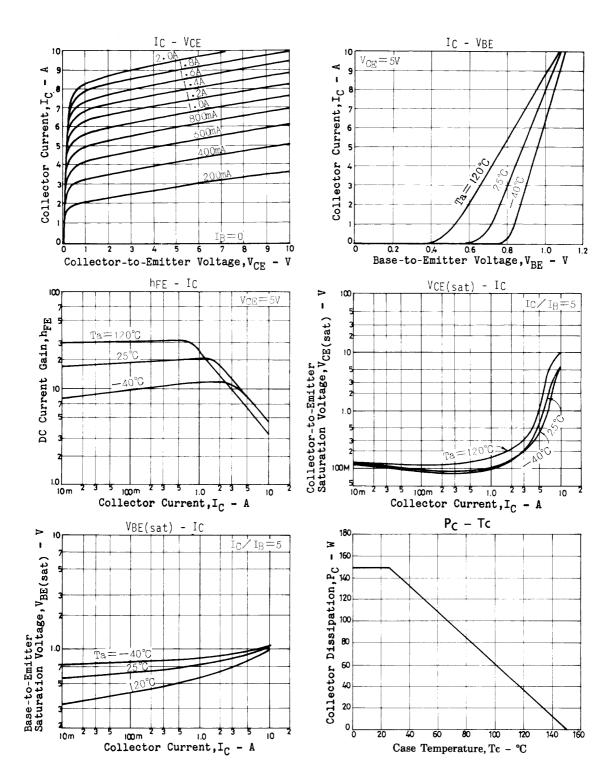
Electrical Characteristics at Ta = 25°C

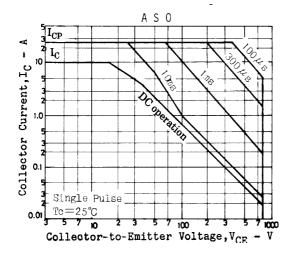
Parameter	Symbol	Conditions	Ratings			Unit
			mjon	tyx	ma	
Collector Cutoff Current	ICES	V _{CE} =1500V, R _{BE} =0			1A	m
Collector-to-Emitter Sastain Voltage	CEO(sus)	I _C =100mA, I _B =0	80/			
Emitter Cutoff Current	EBO	$V_{EB}=4V, I_{C}=0$			1A	m
Collector-to-Emitter Saturation Voltage	CE(sat)	I _C =8A, I _B =2.0A			5∖	1
Ba/se-to-Emitter Saturation Voltage	BE(sat)	I _C =8A, I _B = 3 .0A			1.V	
DC Current Gain	hFE	V _{CE} =5V, I _C =1.0A	8			
Storage Time	stg	I _C =6A, I _{B1} =1.2A, I _{B2} =-2.4A			3s0	μ
Fall Time	f	I _C =6A, I _{B1} =1.2A, I _{B2} =-2.4A		021	0s	μ

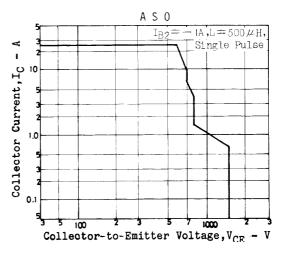
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Switching Time Test Circuit









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