#### 查询2SD2645供应商

#### Ordering number : ENN6897A

NPN Triple Diffused Planar Silicon Transistor

## 2SD2645

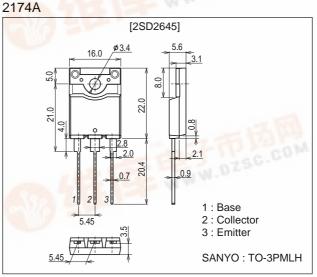
# **Color TV Horizontal Deflection Output Applications**

#### **Features**

- High speed.
- High breakdown voltage(VCBO=1500V).
- High reliability(Adoption of HVP process).
- · Adoption of MBIT process. WWW.DZSC.COM
- · On-chip damper diode.

#### Package Dimensions

#### unit : mm



#### **Specifications**

#### Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		1500	V
Collector-to-Emitter Voltage	VCEO		800	V
Emitter-to-Base Voltage	VEBO		5	V
Collector Current	IC		10	А
Collector Current (Pulse)	ICP	and the second se	25	А
Collector Dissipation	D.		3.0	W
	PC	Tc=25°C	80	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

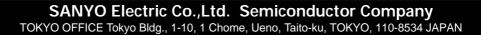
#### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Onit
Collector Cutoff Current	ICBO	VCB=800V, IE=0			10	μΑ
	ICES	V <sub>CE</sub> =1500V, R <sub>BE</sub> =0			1.0	mA
Collector Sustain Voltage	VCEO(sus)	IC=100mA, IB=0	800		TO Y	V
Emitter Cutoff Current	IEBO	VEB=4V, IC=0	40		130	mA
Collector-to-Emitter Saturation Voltage	VCE(sat)	IC=7.2A, IB=1.44A		W Inc.	3	V
Base-to-Emitter Saturation Voltage	V <sub>BE</sub> (sat)	IC=7.2A, IB=1.44A			1.5	V
DC Current Gain	hFE1	V <sub>CE</sub> =5V, I <sub>C</sub> =1A	15			
	hFE2	V <sub>CE</sub> =5V, I <sub>C</sub> =8A	5		8	

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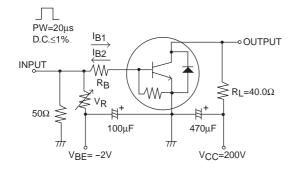
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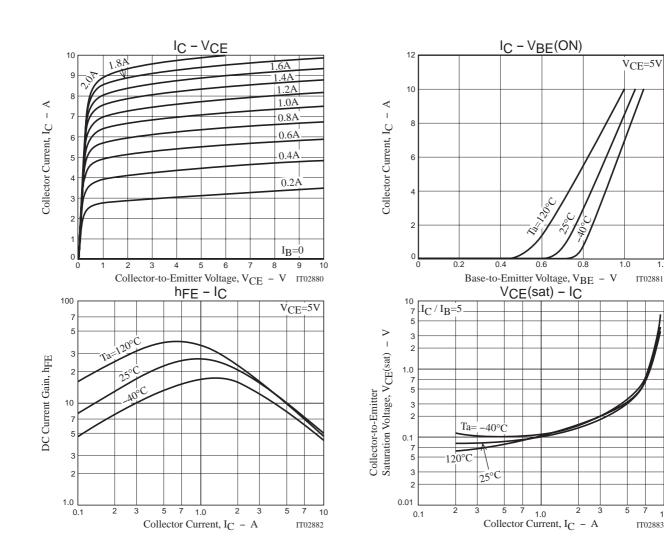
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Diode Forward Voltage	VF	IEC =8A			2	V
Fall Time	tf	IC=5A, IB1=1A, IB2=-2A			0.3	μs

### Switching Time Test Circuit





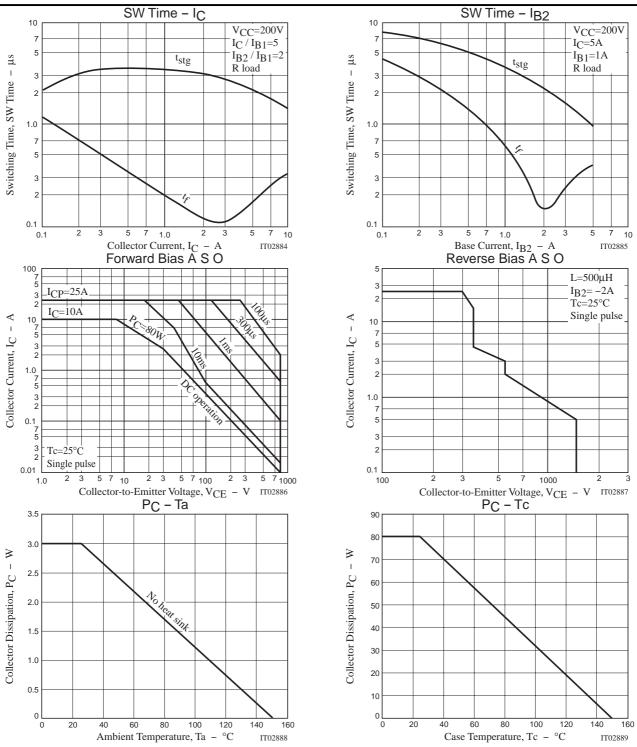
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