#### 查询TS7920供应商

#### Ordering number : ENN6921

### 捷多邦,专业PCB打样工厂,24小时加急出货

NPN Triple Diffused Planar Silicon Transistor

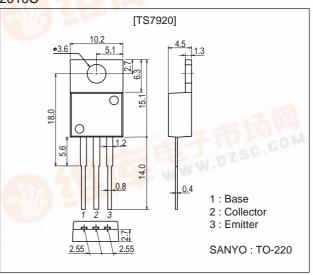


## Features

- Best suited for push-pull inverter circuit.
- High breakdown voltage (VCBO=1200V).
- High reliability (Adoption of HVP process).
- Adoption of MBIT process.

# Package Dimensions





# **Specifications**

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

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		1200	V
Collector-to-Emitter Voltage	VCEO		600	V
Emitter-to-Base Voltage	VEBO		9	V
Collector Current	IC		4	А
Collector Current (Pulse)	ICP	30. 71 2	8	А
Collector Dissipation	D-	- 51 916	1.75	W
	PC	Tc=25°C	70	W
Junction Temperature	Тј	A COM	150	°C
Storage Temperature	Tstg		-55 to +150	°C

### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Collector Cutoff Current	ICBO	V <sub>CB</sub> =600V, I <sub>E</sub> =0			10	μA
Collector Cutoff Current	ICES	V <sub>CE</sub> =1200V, R <sub>BE</sub> =0		2.1.	1.0	mA
Collector Sustain Voltage	VCEO(sus)	IC=100mA, IB=0	600	W WILL	0.0	V
Emitter Cutoff Current	IEBO	V <sub>EB</sub> =9V, I <sub>C</sub> =0			1.0	mA

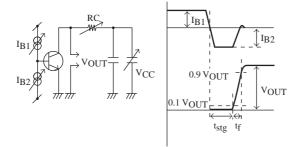
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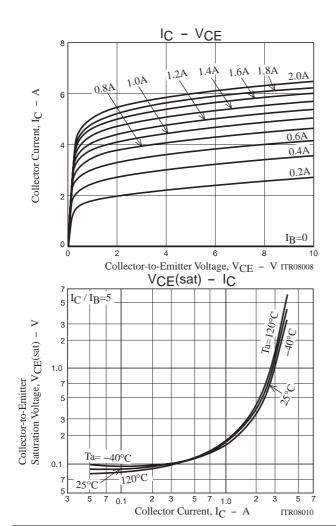
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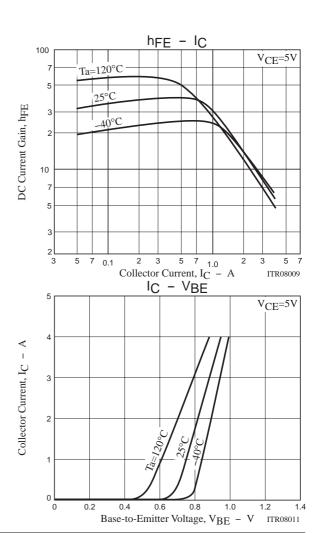
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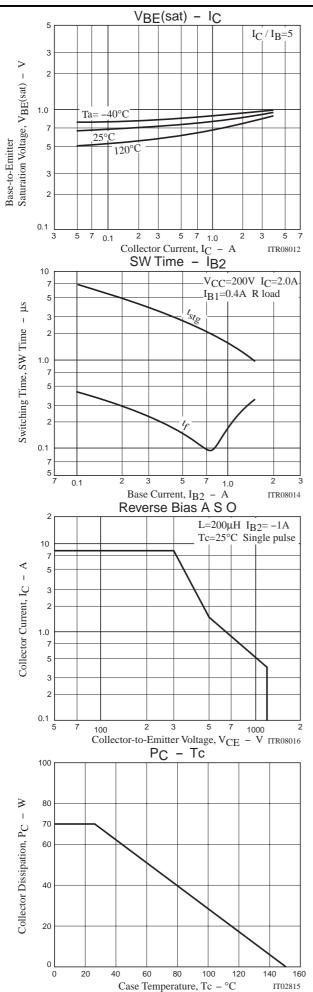
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
DC Current Gain	hFE1	VCE=5V, IC=0.3A	30	40	50	
	hFE2	V <sub>CE</sub> =5V, I <sub>C</sub> =1.5A	10			
Collector-to-Emitter Saturation Voltage	V <sub>CE</sub> (sat)	IC=2.0A, IB=0.4A			1.0	V
Base-to-Emitter Saturation Voltage	VBE(sat)	IC=2.0A, IB=0.4A			1.5	V
Storage Time	tstg	IC=2.0A, IB1=0.4A, IB2=-0.8A			2.5	μs
Fall Time	tf	I <sub>C</sub> =2.0A, I <sub>B1</sub> =0.4A, I <sub>B2</sub> =-0.8A			0.15	μs

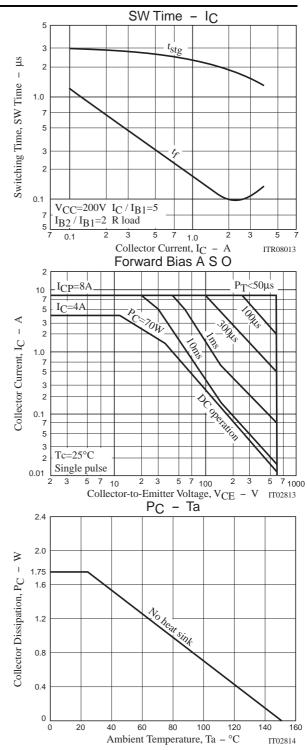
# **Switching Time Test Circuit**











TS7920

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