Ordering number : ENN8377



SANYO Semiconductors DATA SHEET

TT2218LS

NPN Triple Diffused Planar Silicon Transistor

Color TV Horizontal Deflection Output Applications

Features

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

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO	MAGO	1500	V
Collector-to-Emitter Voltage	VCEO	.0.0	800	V
Emitter-to-Base Voltage	VEBO		5	V
Collector Current	IC		10	Α
Collector Current (Pulse)	ICP		25	Α
Collector Dissipation	PC		2.0	W
		Tc=25°C	35	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg	_ a 2a E	-55 to +150	°C

Electrical Characteristics at Ta=25°C

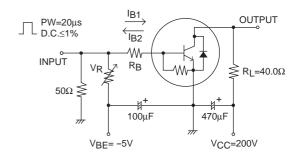
Parameter	Symbol	Conditions	Ratings			1.114
			min	typ	max	Unit
Collector Cutoff Current	ІСВО	V _{CB} =800V, I _E =0A			10	μΑ
Collector Cutoff Current	ICES	VCE=1500V, RBE=0Ω			1.0	mA
Collector Sustain Voltage	VCEO(sus)	I _C =100mA, I _B =0A	800			V
Emitter Cutoff Current	IEBO	V _{EB} =4V, I _C =0A	40		130	mA
DC Current Gain	hFE1	VCE=5V, IC=1A	15			
DC Current Gain	hFE2	V _{CE} =5V, I _C =8A	5		8	
Collector-to-Emitter Saturation Voltage	VCE(sat)	IC=7.2A, IB=1.44A			3	V
Base-to-Emitter Saturation Voltage	VBE(sat)	IC=7.2A, IB=1.44A		75.00	1.5	V
Diode Forward Voltage	VF	IEC=8A			2	V
Fall Time	tf	IC=5A, IB1=1A, IB2=-2A			0.3	μs

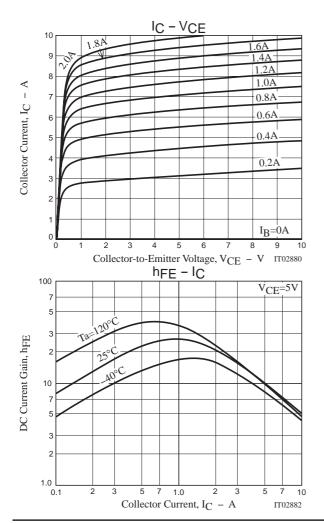
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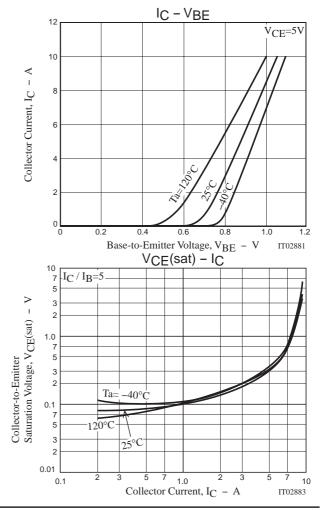
Package Dimensions

unit : mm 7509-003

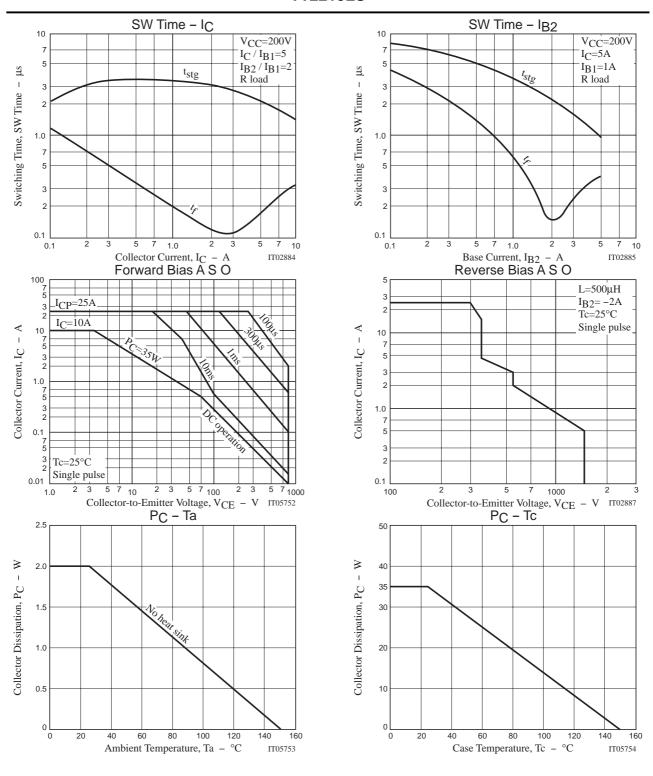
Switching Time Test Circuit







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