Ordering number : ENN7526

NPN Triple Diffused Planar Silicon Transistor



2SD2688LS

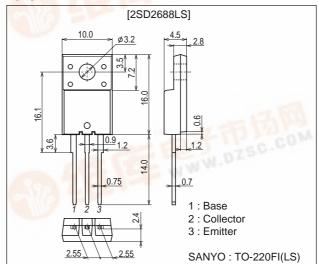
Color TV Horizontal Deflection Output Applications

Features

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

Package Dimensions

unit: mm 2079D



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	Α
Collector Current (Pulse)	ICP		25	А
Collector Dissipation	-	180	2.0	W
	PC	Tc=25°C	35	W
Junction Temperature	Tj	THE STATE OF THE S	150	°C
Storage Temperature	Tstg	COM.	-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions		Ratings		
	Symbol		min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =800V, I _E =0			10	μΑ
Collector Cutoff Current	ICES	V _{CE} =1500V, R _{BE} =0			1.0	mA
Collector Sustain Voltage	VCEO(sus)	IC=100mA, IB=0	800	W. 14	0750	V
Emitter Cutoff Current	IFBO	V _{BF} =4V, I _C =0	40	77.441	130	mA

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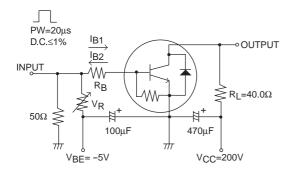
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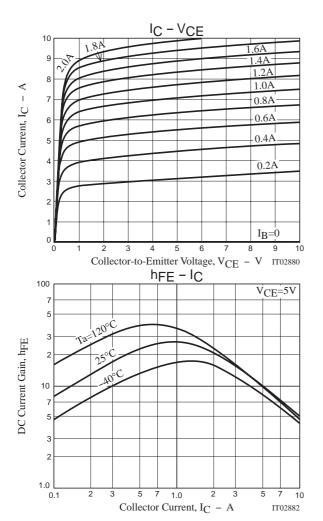
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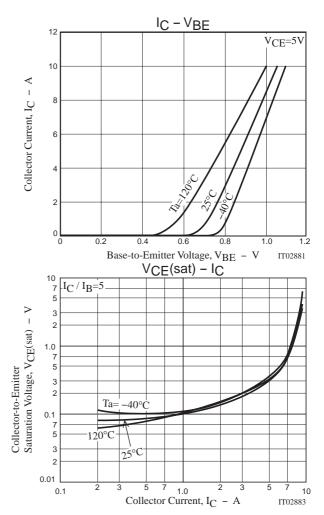
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max) Office
Collector-to-Emitter Saturation Voltage	VCE(sat)	IC=7.2A, IB=1.44A			3	V
Base-to-Emitter Saturation Voltage	V _{BE} (sat)	I _C =7.2A, I _B =1.44A			1.5	V
DC Current Gain	hFE1	V _{CE} =5V, I _C =1A	15			
	hFE2	VCE=5V, IC=8A	5		8	
Diode Forward Voltage	٧F	IEC=8A			2	V
Fall Time	t _f	I _C =5A, I _{B1} =1A, I _{B2} =-2A			0.3	μs

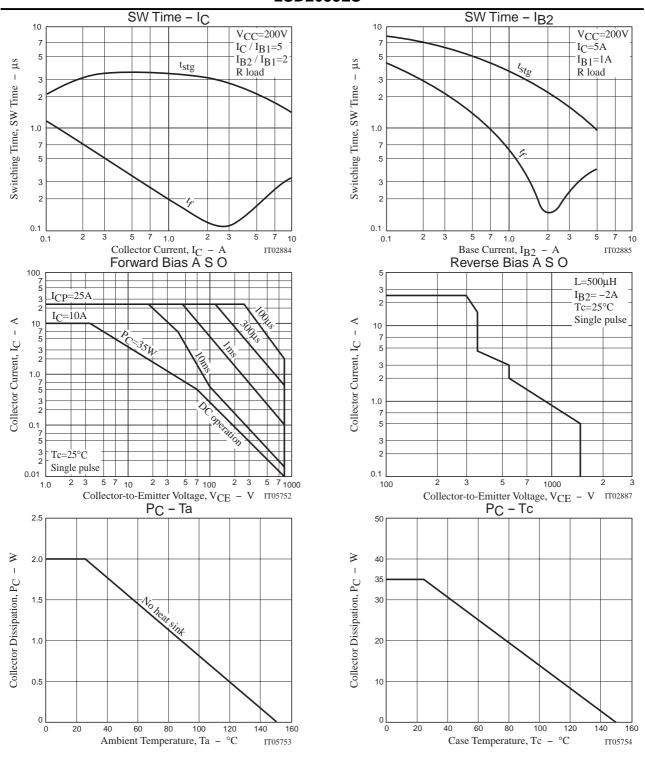
Switching Time Test Circuit







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