

2SC5264LS

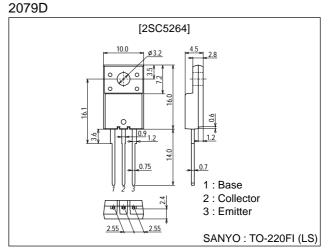
Inverter Lighting Applications

Features

- · High breakdown voltage (V_{CBO}=1000V).
- · High reliability (Adoption of HVP process).
- · Adoption of MBIT process.

Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at $Ta = 25^{\circ}C$

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V _{CBO}		1000	V
Collector-to-Emitter Voltage	V _{CEO}		450	V
Emitter-to-Base Voltage	V _{EBO}		9	V
Collector Current	IС		5	Α
Collector Current (Pulse)	I _{CP}		10	Α
Collector Dissipation	Do.		2	W
	PC	Tc=25°C	30	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	Offic
Collector Cutoff Current	I _{CBO}	V _{CB} =450V, I _E =0			10	μΑ
	ICES	V _{CE} =1000V, R _{BE} =0			1.0	mA
Collector-to-Emitter Sustain Voltage	V _{CEO(sus)}	I _C =100mA, I _B =0	450			V
Emitter Cutoff Current	I _{EBO}	V _{EB} =9V, I _C =0			1.0	mA
Collector-to-Emitter Saturation Voltage	V _{CE(sat)}	I _C =2.5A, I _B =0.5A			1.0	V
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =2.5A, I _B =0.5A			1.5	V

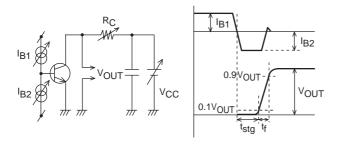
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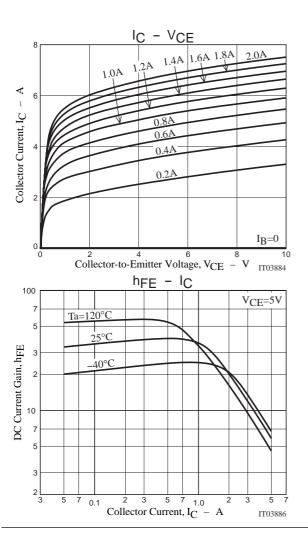
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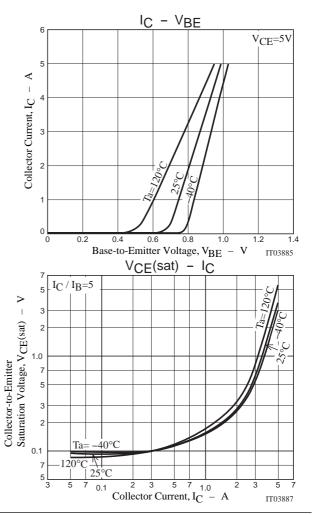
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
DC Current Gain	h _{FE} 1	V _{CE} =5V, I _C =0.3A	30	40	50	
	h _{FE} 2	V _{CE} =5V, I _C =2.0A	10			
Storage Time	t _{stg}	I _C =2.5A, I _{B1} =0.5A, I _{B2} =-1.0A			2.5	μs
Fall Time	t _f	I _C =2.5A, I _{B1} =0.5A, I _{B2} =-1.0A			0.15	μs

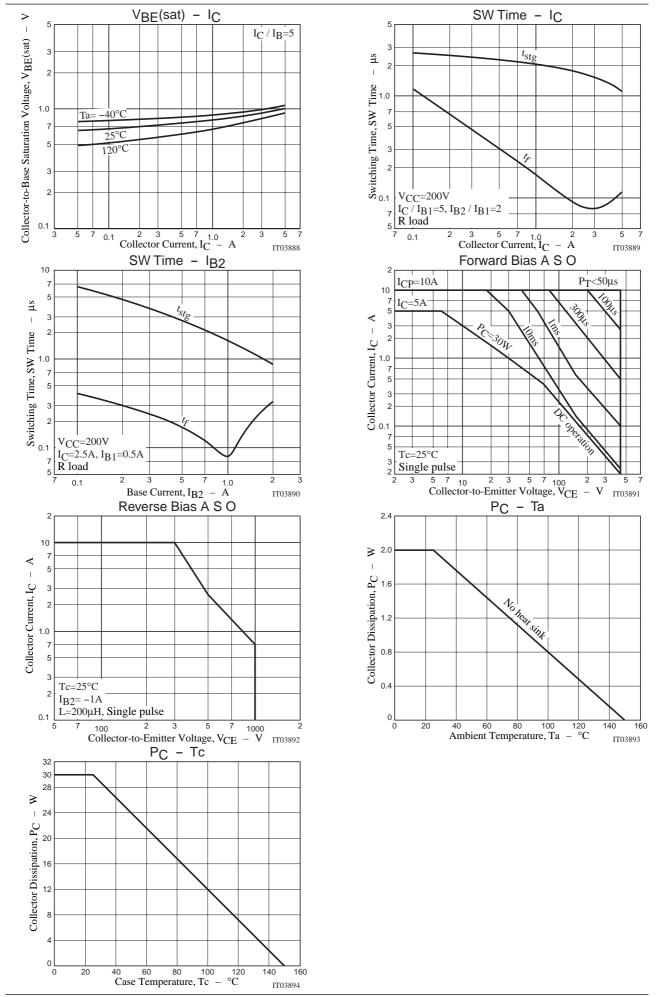
Switching Time Test Circuit







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