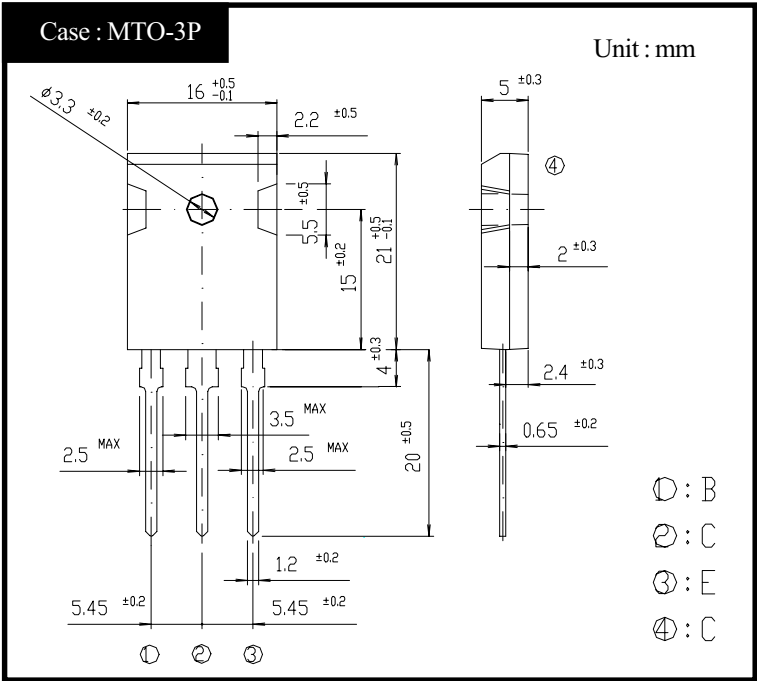


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(T15J10)

-15A PNP

OUTLINE DIMENSIONS



RATINGS

● Absolute Maximum Ratings

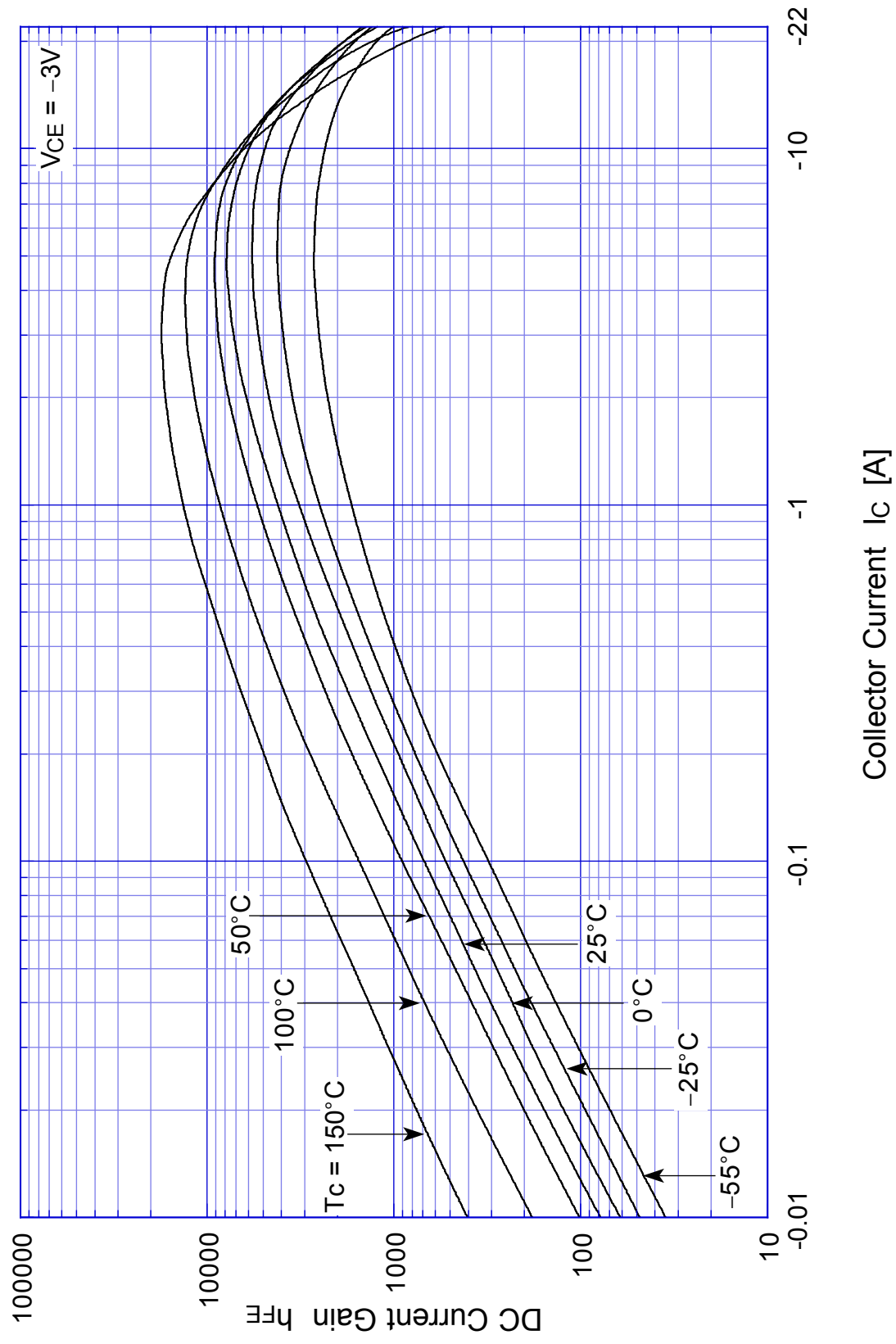
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T <sub>stg</sub>		-55~+150	°C
Junction Temperature	T <sub>j</sub>		+150	°C
Collector to Base Voltage	V <sub>CBO</sub>		-100	V
Collector to Emitter Voltage	V <sub>CEO</sub>		-100	V
Emitter to Base Voltage	V <sub>EBO</sub>		-7	V
Collector Current DC	I <sub>C</sub>		-15	A
Collector Current Peak	I <sub>CP</sub>		-22	A
Base Current DC	I <sub>B</sub>		-1	A
Base Current Peak	I <sub>BP</sub>		-2	A
Total Transistor Dissipation	P <sub>T</sub>	T <sub>c</sub> = 25°C	100	W
Mounting Torque	TOR	(Recommended torque : 0.5N·m)	0.8	N·m

● Electrical Characteristics (T<sub>c</sub>=25°C)

Item	Symbol	Conditions	Ratings	Unit
Collector Cutoff Current	I <sub>CBO</sub>	V <sub>CB</sub> = -100V	Max -0.1	mA
	I <sub>CEO</sub>	V <sub>CE</sub> = -100V	Max -0.1	
Emitter Cutoff Current	I <sub>EBO</sub>	V <sub>EB</sub> = -7V	Max -5	mA
DC Current Gain	h <sub>FE</sub>	V <sub>CE</sub> = -3V, I <sub>C</sub> = -10A	Min 1,500	
			Max 15,000	
Collector to Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> = -10A	Max -1.5	V
Base to Emitter Saturation Voltage	V <sub>BE(sat)</sub>	I <sub>B</sub> = -20mA	Max -2.0	V
Thermal Resistance	θ <sub>jc</sub>	Junction to case	Max 1.25	°C/W
Transition Frequency	f <sub>T</sub>	V <sub>CE</sub> = 10V, I <sub>C</sub> = -1.5A	TYP 20	MHz
Turn on Time	ton	I <sub>C</sub> = -15A I <sub>B1</sub> = I <sub>B2</sub> = -20mA R <sub>L</sub> = 2 Ω	Max 1	μ s
Storage Time	ts		Max 4	
Fall Time	tf		Max 2	

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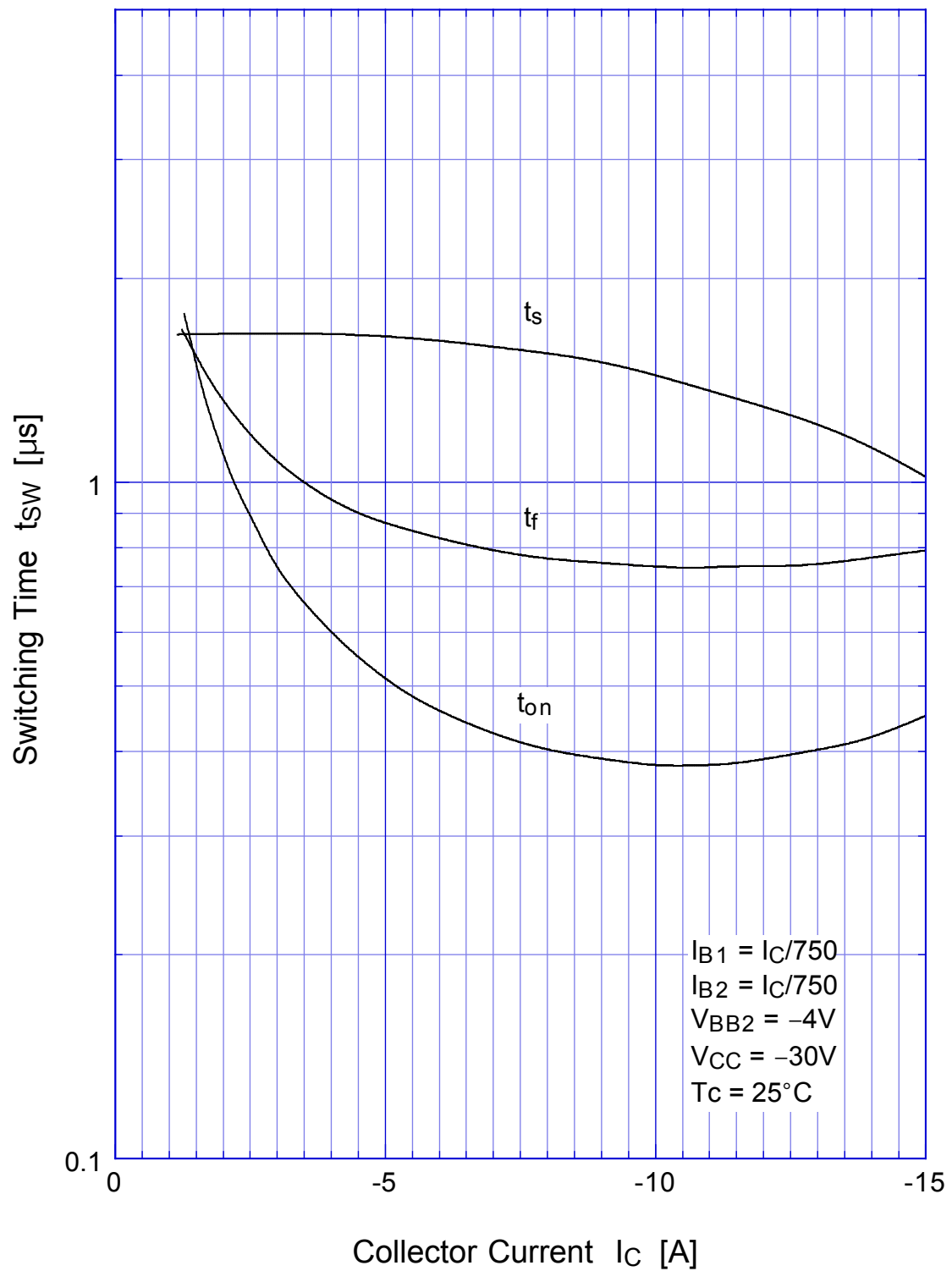
$h_{FE} - I_C$





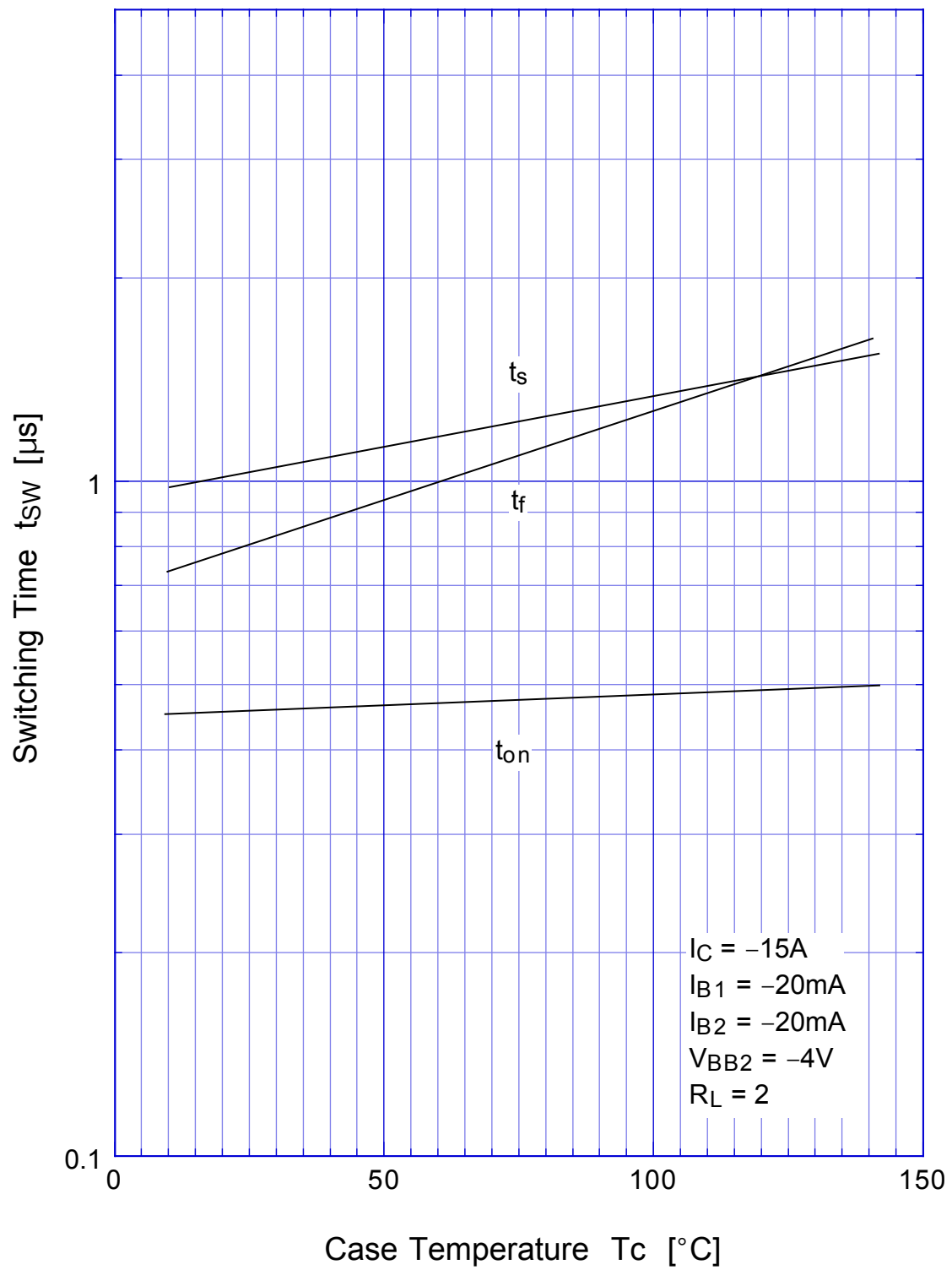
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Switching Time -  $I_C$

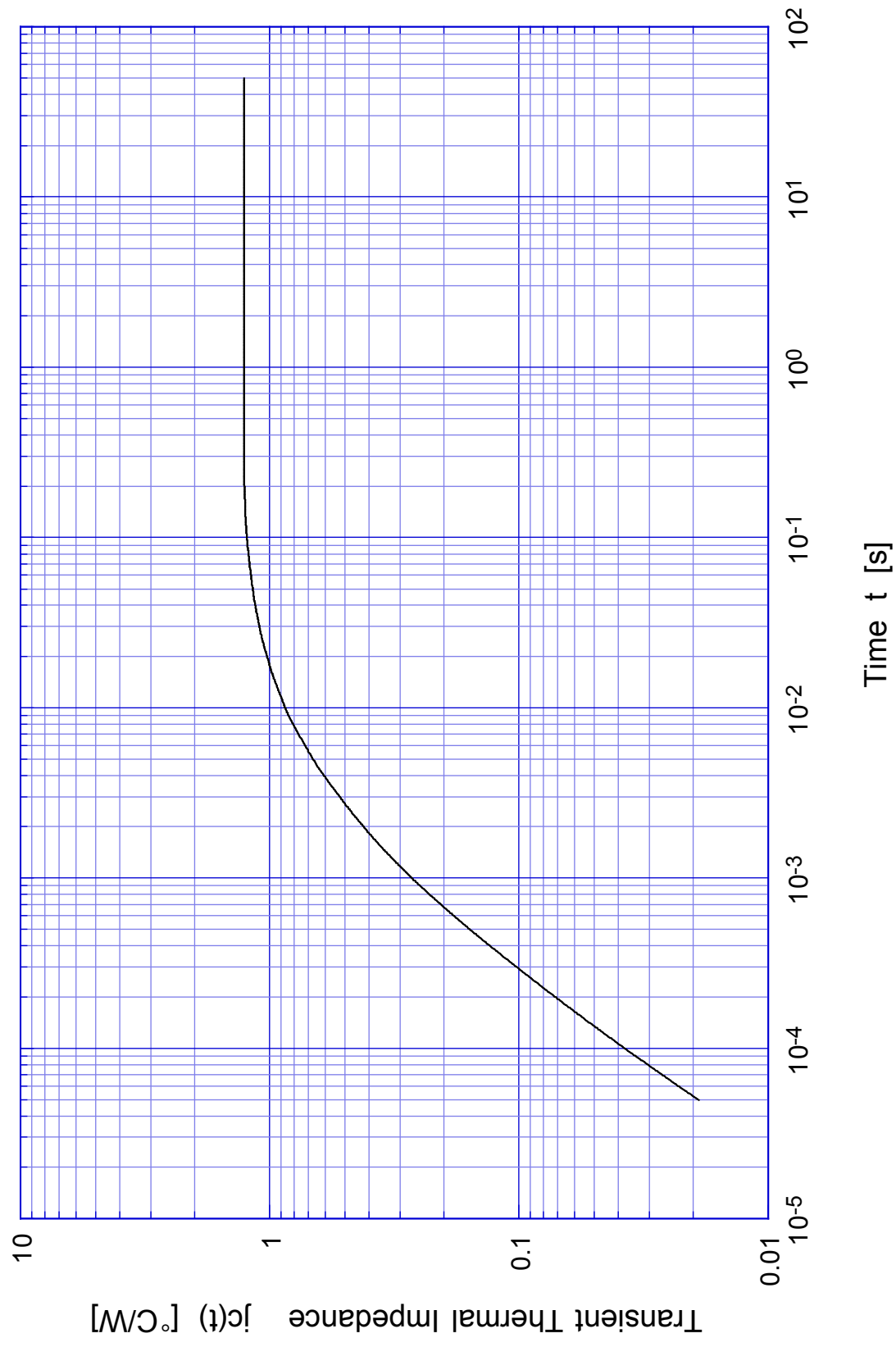


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Switching Time -  $T_c$

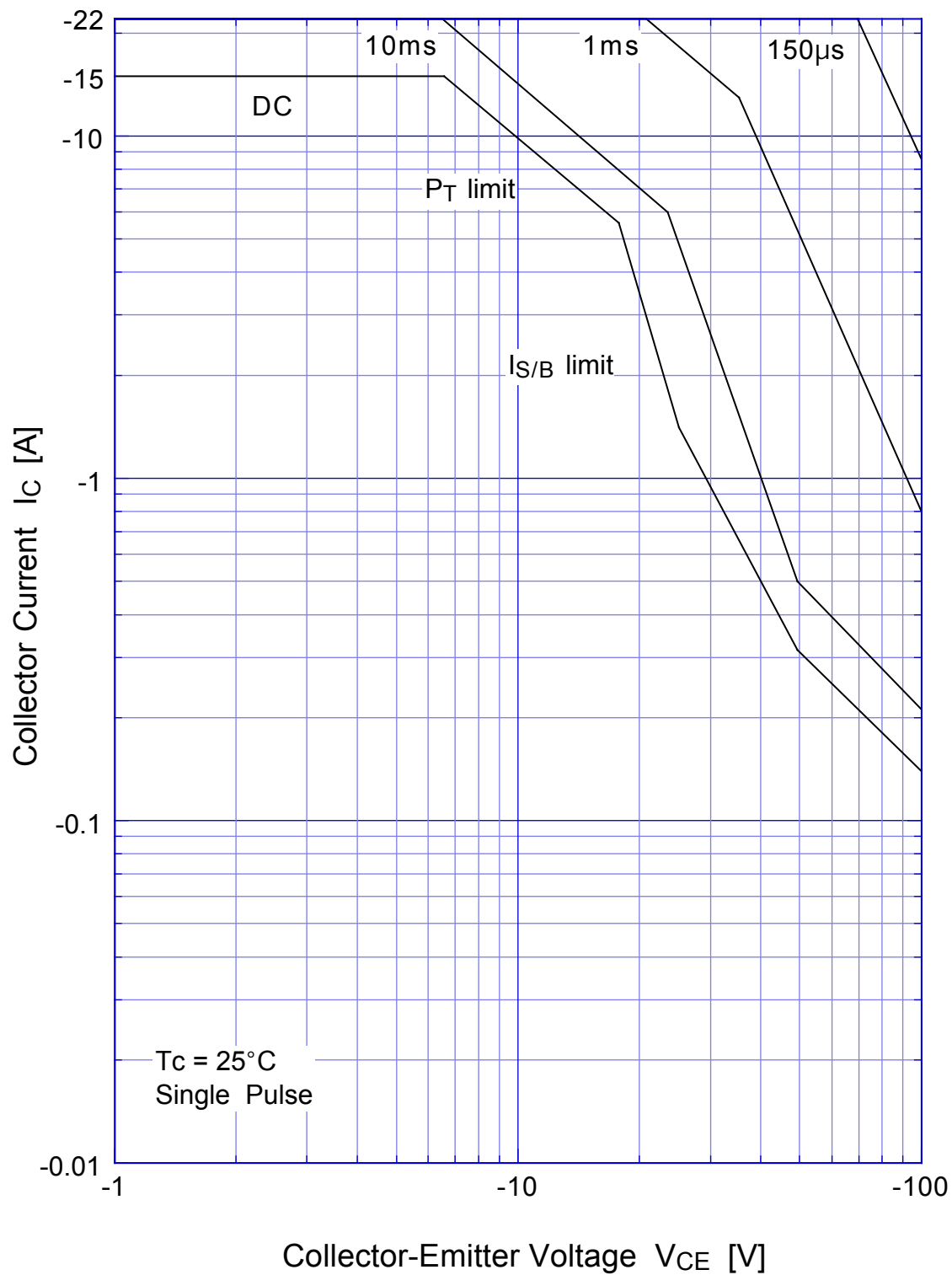


## 2SB1285      Transient Thermal Impedance



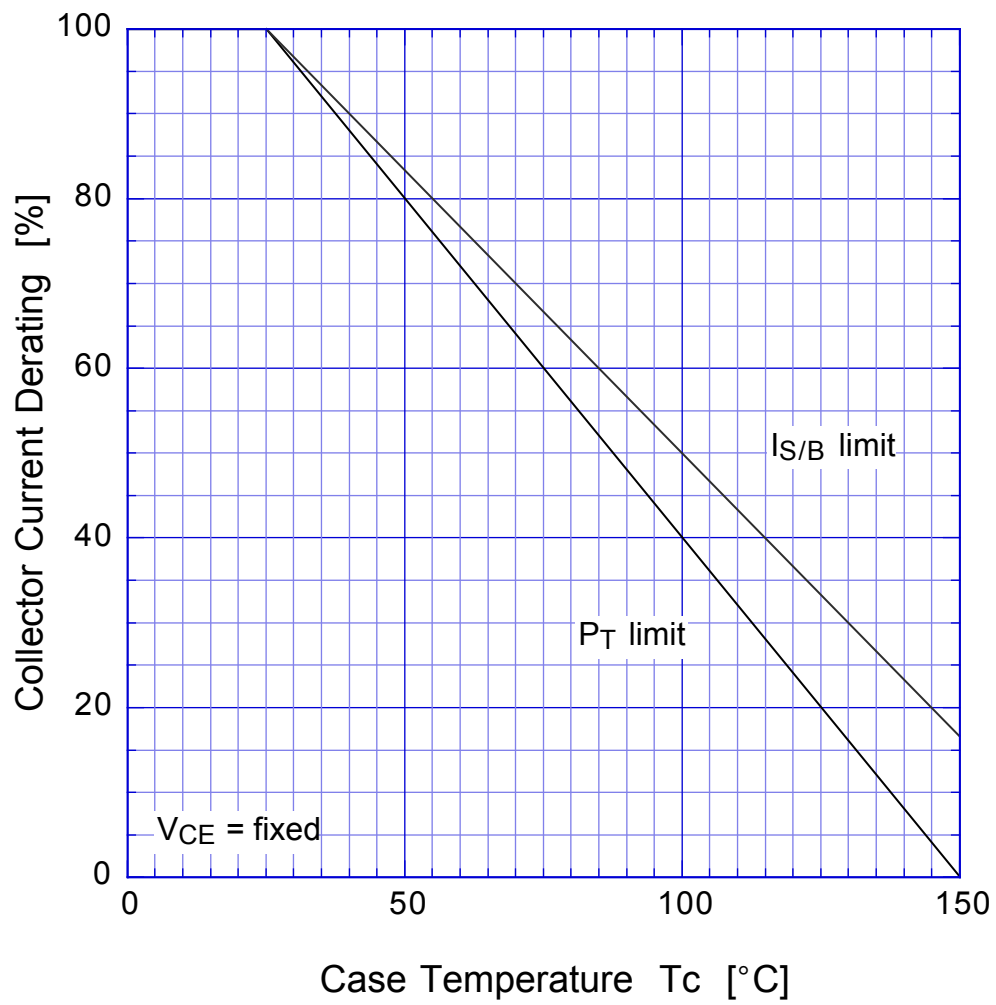
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Forward Bias SOA



## 2SB1285

## Collector Current Derating





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Reverse Bias SOA

