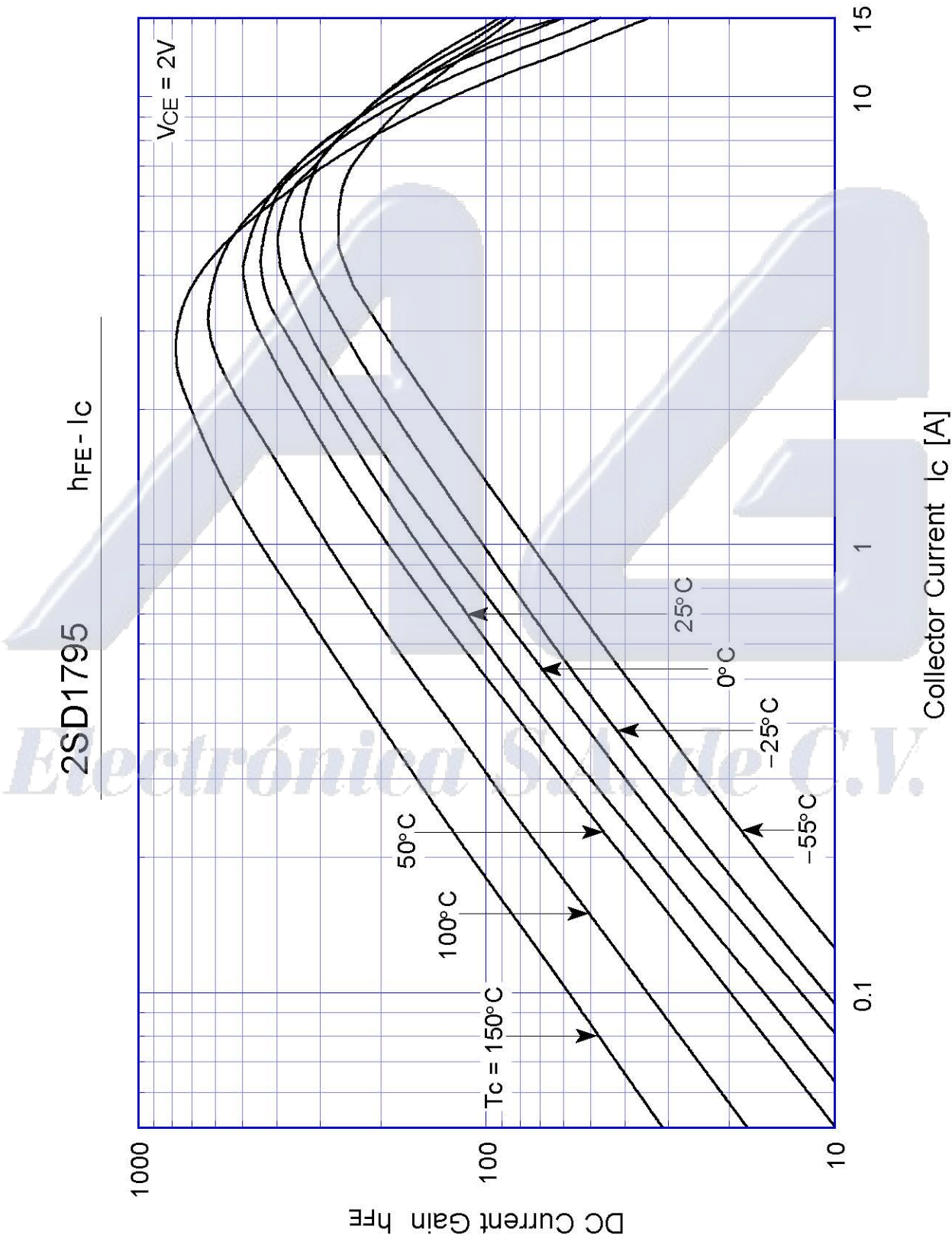
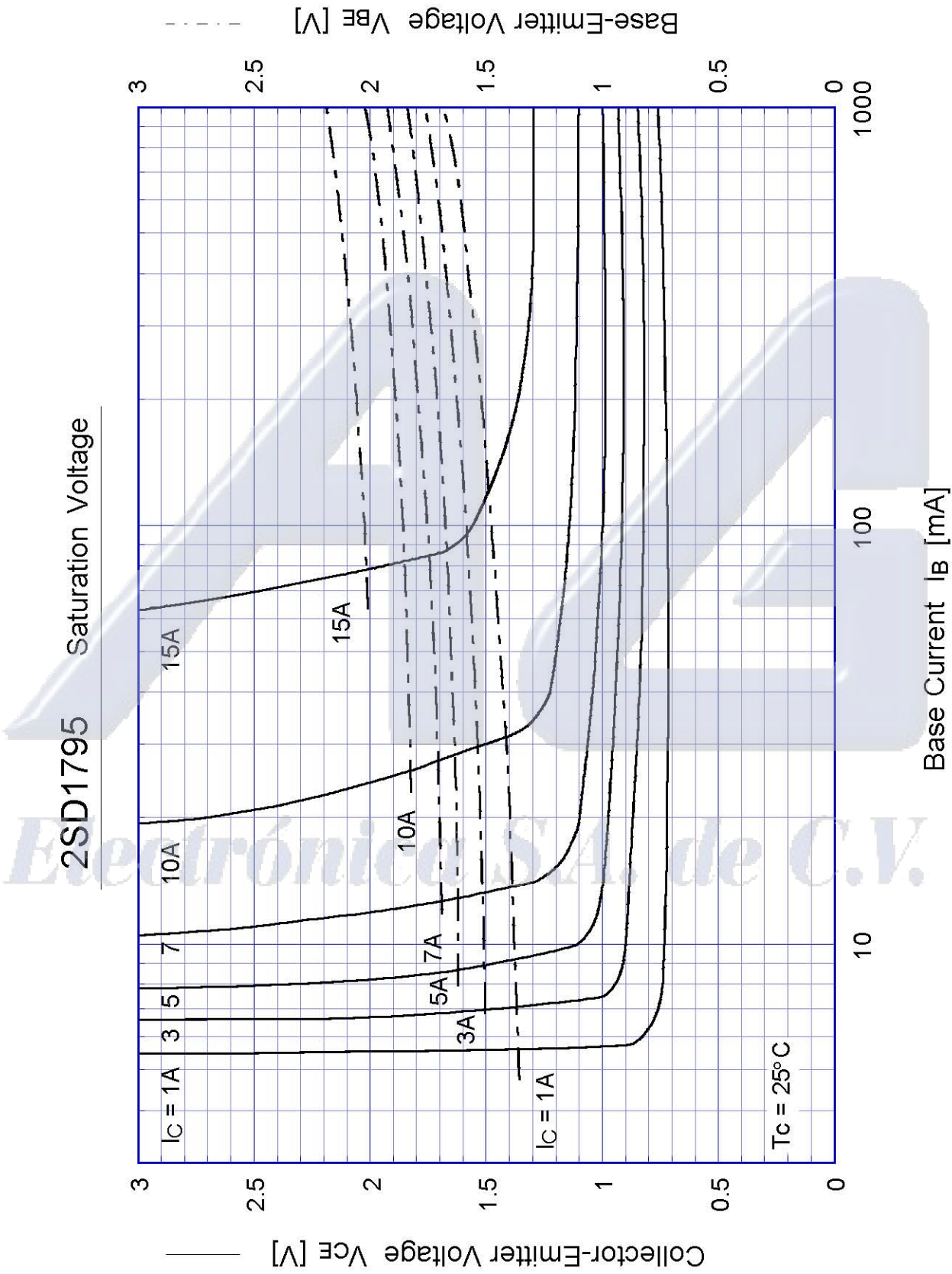


10A NPN

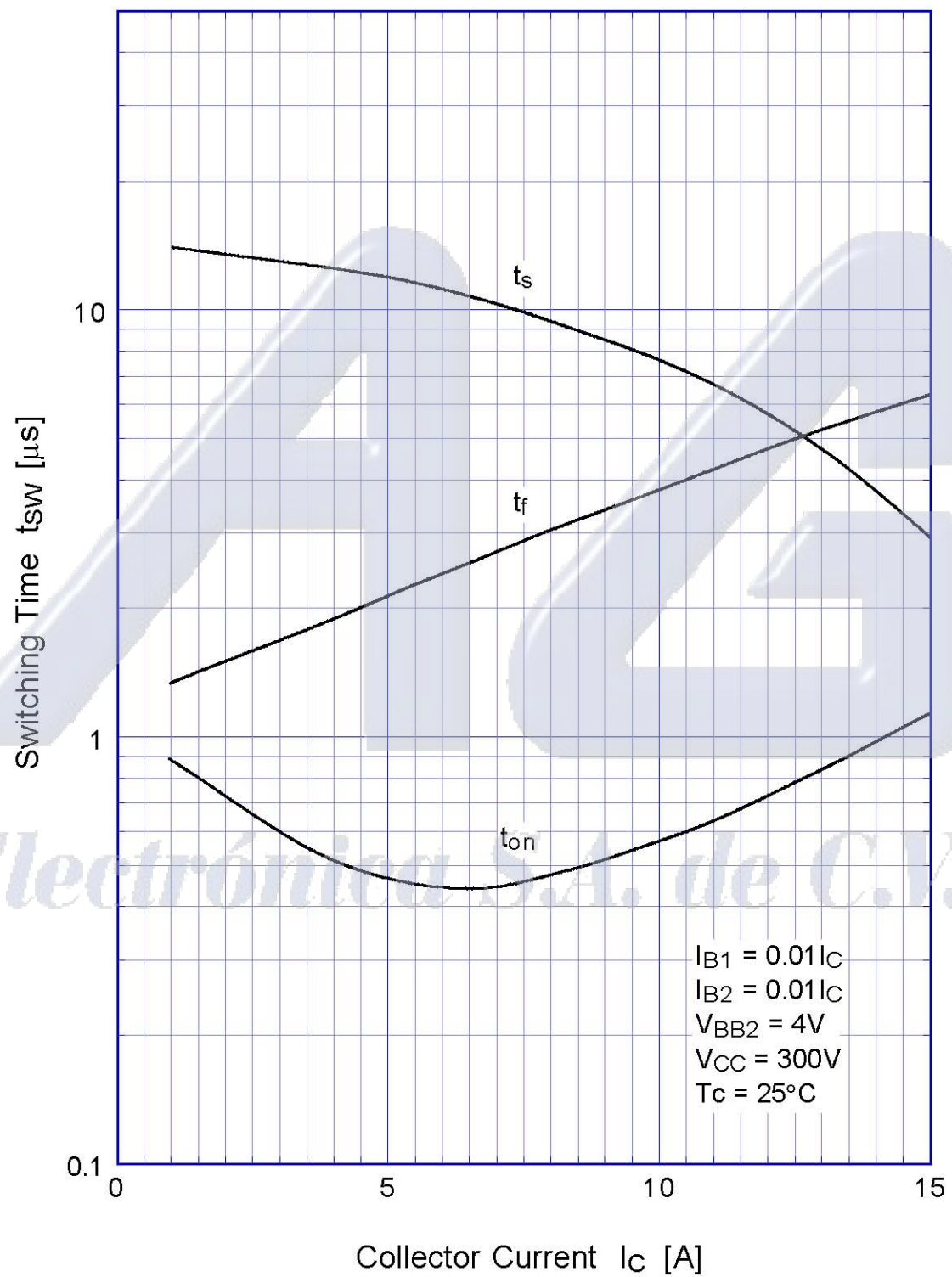
[illegible]

Item	Symbol	Conditions	Ratings	Unit
Collector to Emitter Sustaining Voltage	V_{CEO}	V_{CE} (Clamp)	Min 400	V
Collector Cutoff Current	I_{CBO}	$V_{CE} = 500V$	Max 0.1	mA
	I_{CEO}	$V_{CE} = 400V$	Max 0.1	
Emitter Cutoff Current	I_{EBO}	$V_{BE} = 12V$	Max 100	mA
DC Current Gain	h_{FE}	$V_{CE} = 2V, I_C = 7A$	Min 150	
Collector to Emitter Saturation Voltage	$V_{CE}(sat)$	$I_C = 7A$	Max 1.5	V
Base to Emitter Saturation Voltage	$V_{BE}(sat)$	$I_B = 70mA$	Max 2.0	V
Thermal Resistance	θ_{jc}	Junction to case	Max 2.5	$^{\circ}C/W$
Transition Frequency	f_T	$V_{CE} = 10V, I_C = 1A$	TYP 10	MHz
Turn on Time	t_{on}	$I_C = 7A$ $I_{B1} = I_{B2} = 70mA$ $R_L = 10\Omega$ $V_{BB2} = 4V$	Max 2	μs
Storage Time	t_s		Max 15	
Fall Time	t_f		Max 15	

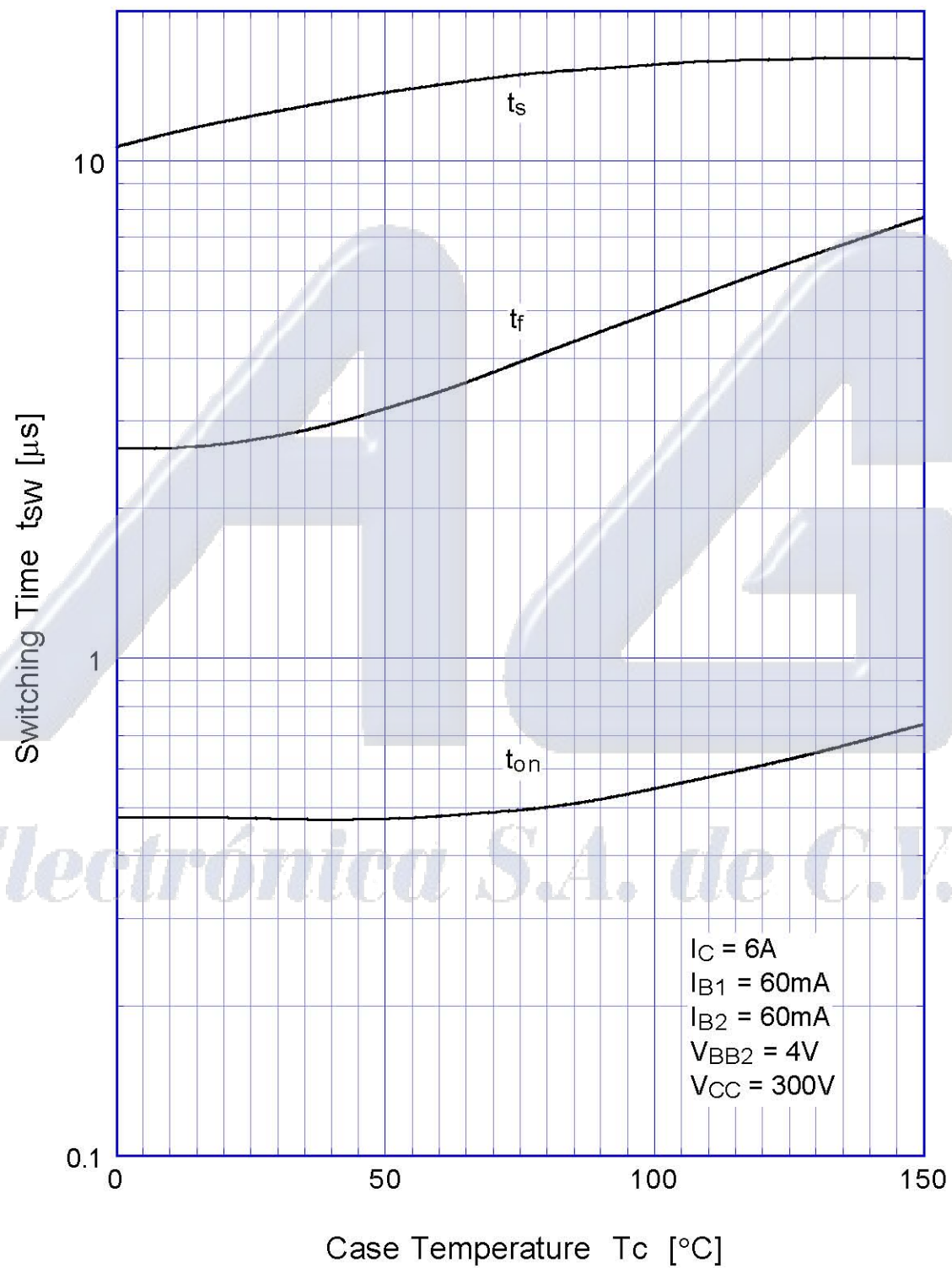


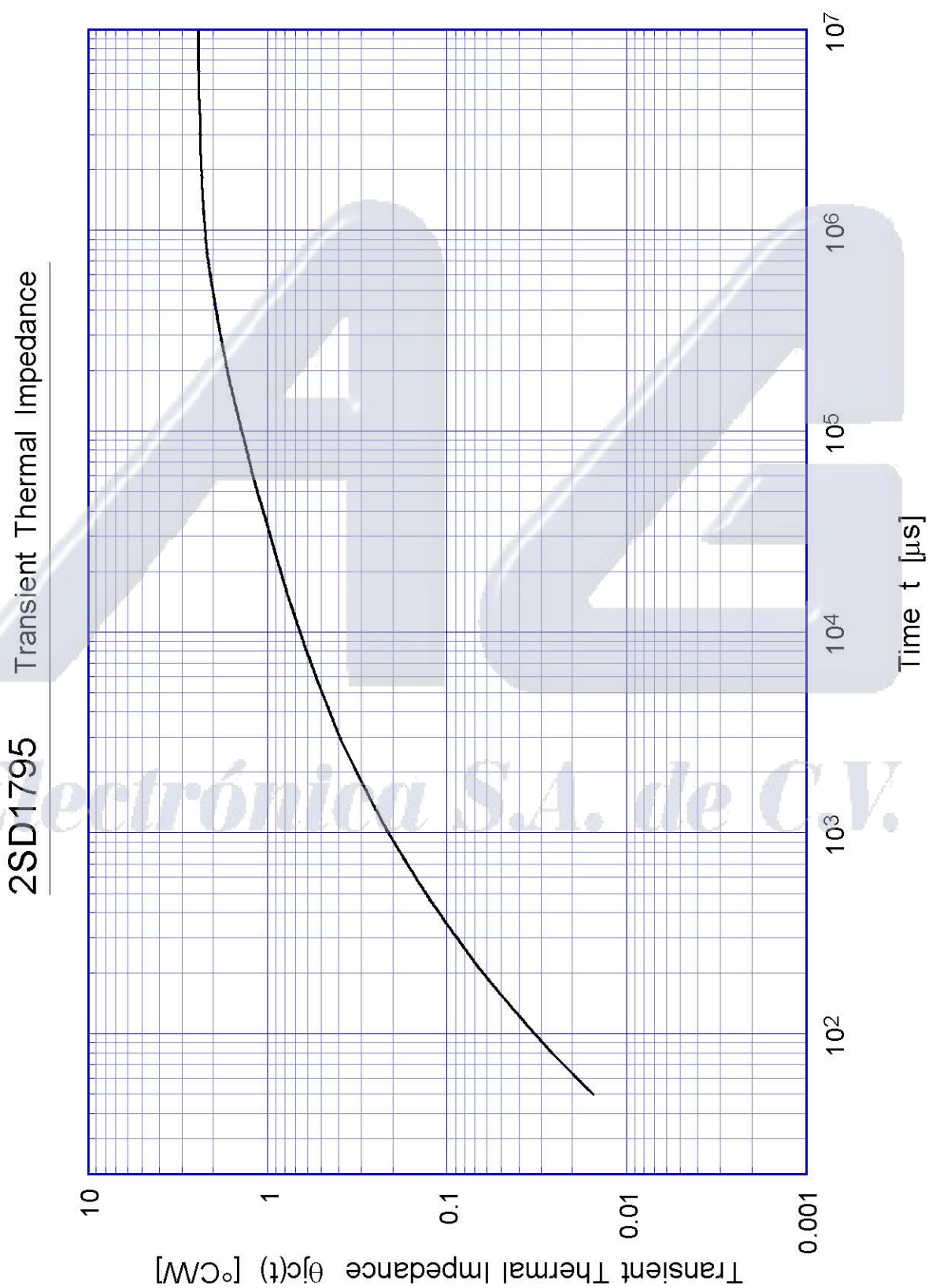


2SD1795

Switching Time - I_C 

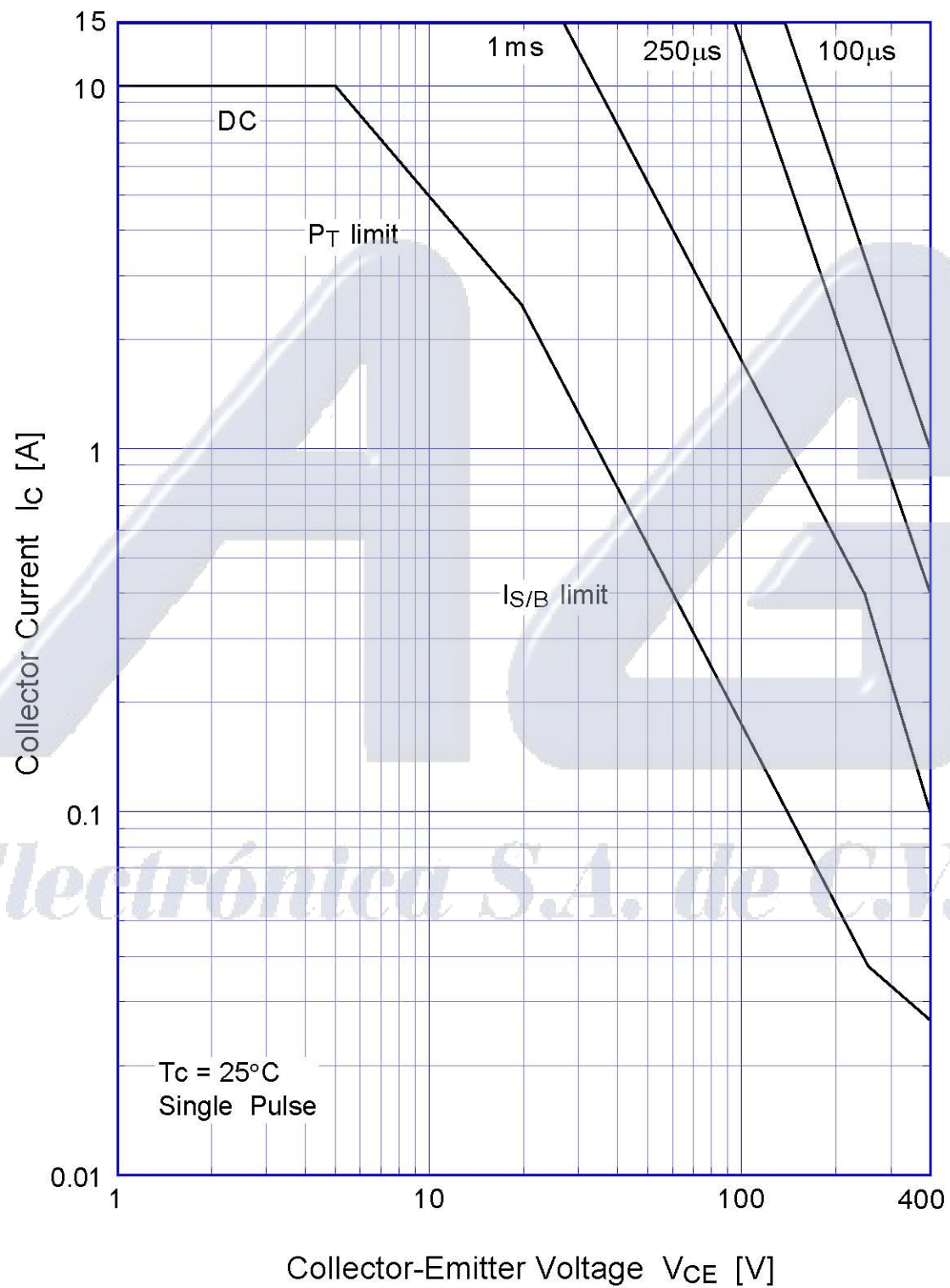
2SD1795

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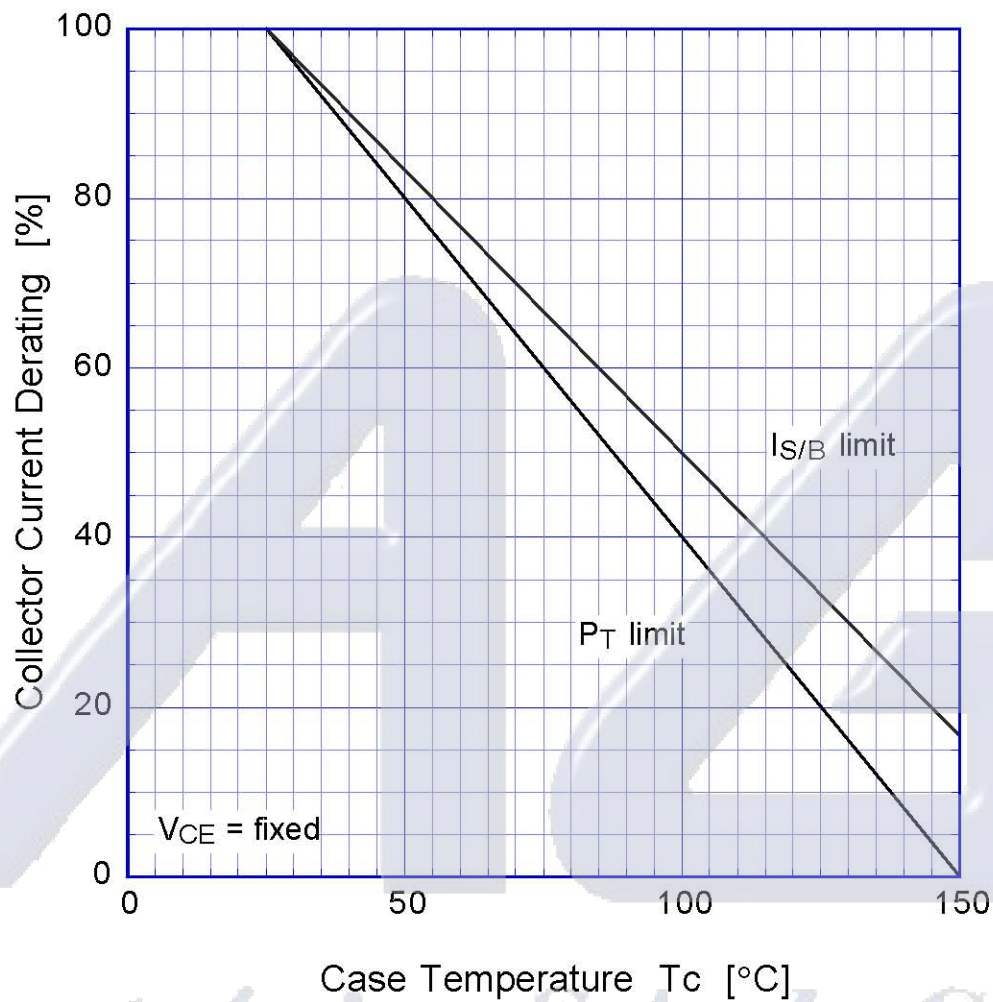


2SD1795

Forward Bias SOA



2SD1795 Collector Current Derating



Electrónica S.A. de C.V.

2SD1795 Reverse Bias SOA

