

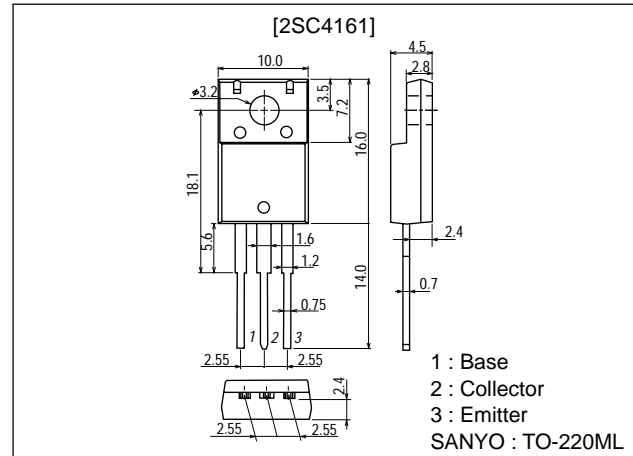
**2SC4161****400V/7A Switching Regulator Applications****Features**

- High breakdown voltage, high reliability.
- High-speed switching ($t_f=0.1\mu s$ typ).
- Wide ASO.
- Adoption of MBIT process.
- Micaless package facilitating mounting.

Package Dimensions

unit:mm

2041A

**Specifications****Absolute Maximum Ratings** at $T_a = 25^\circ C$

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V_{CB0}		500	V
Collector-to-Emitter Voltage	V_{CEO}		400	V
Emitter-to-Base Voltage	V_{EBO}		7	V
Collector Current	I_C		7	A
Collector Current (Pulse)	I_{CP}	$PW \leq 300\mu s$, duty cycle $\leq 10\%$	14	A
Base Current	I_B		3	A
Collector Dissipation	P_C		2	W
		$T_c = 25^\circ C$	30	W
Junction Temperature	T_j		150	$^\circ C$
Storage Temperature	T_{stg}		-55 to +150	$^\circ C$

Electrical Characteristics at $T_a = 25^\circ C$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	I_{CBO}	$V_{CB}=400V$, $I_E=0$			10	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB}=5V$, $I_C=0$			10	μA

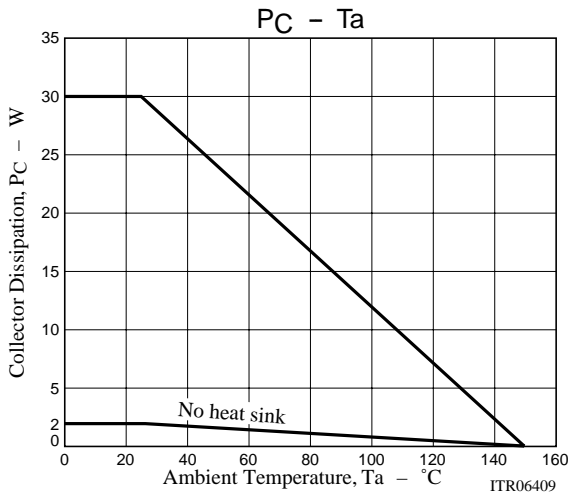
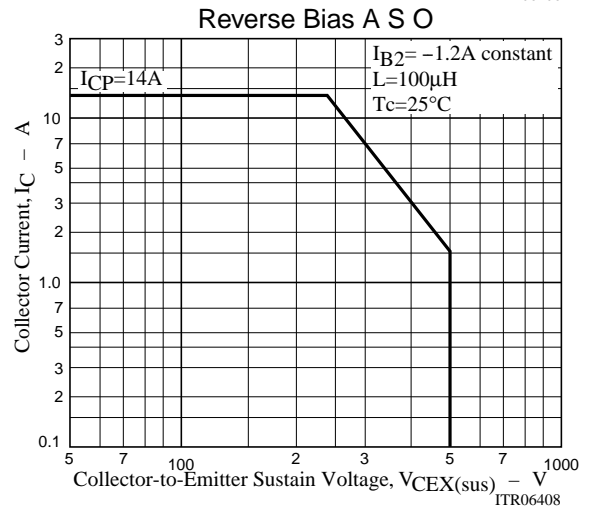
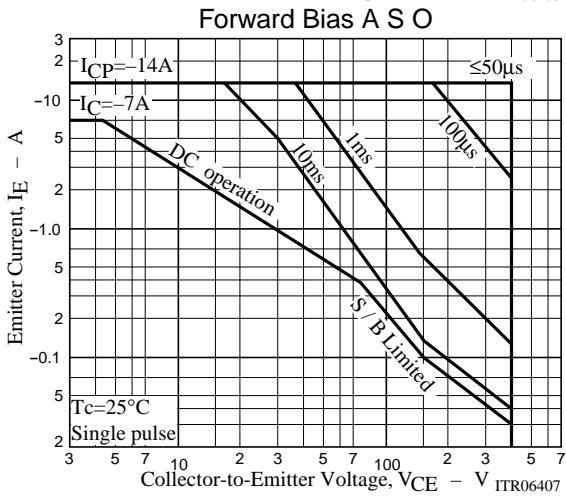
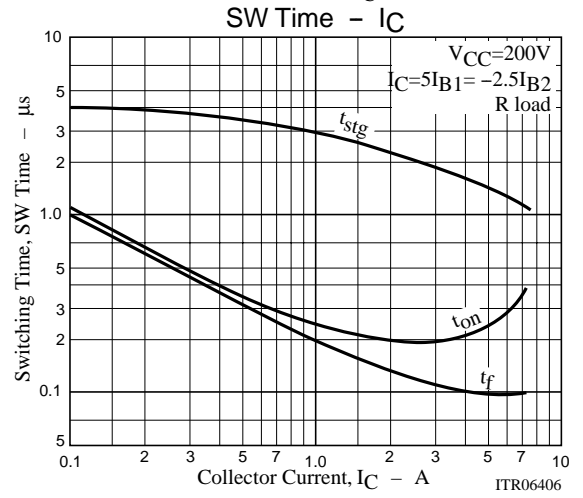
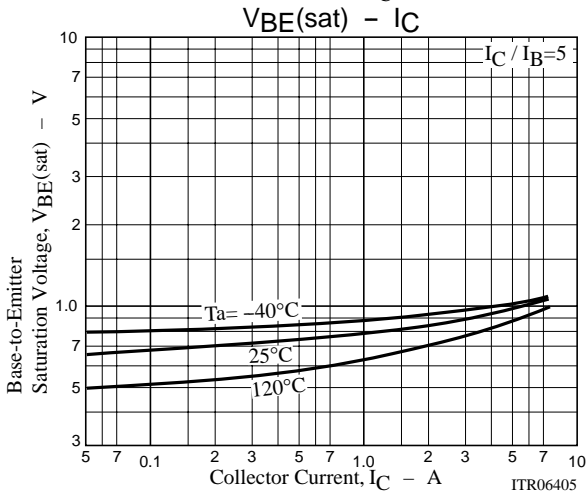
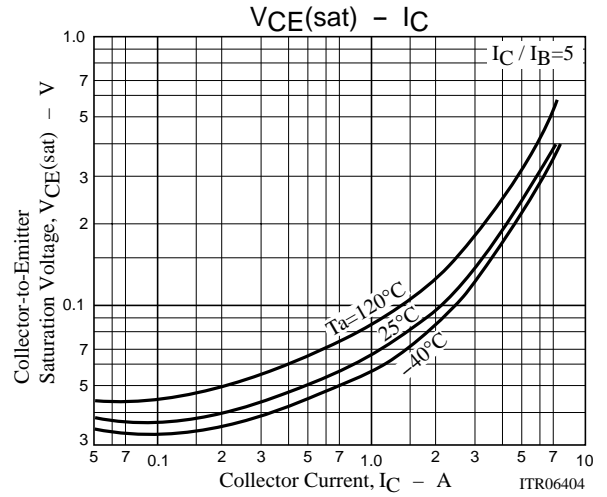
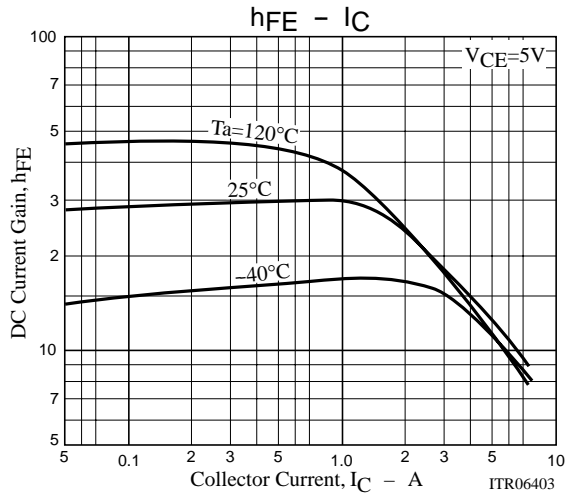
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