

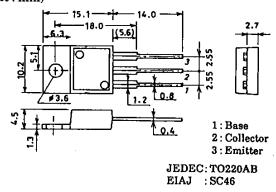
Features

- \cdot High breakdown voltage (V_{CEO} min = -900 V).
- \cdot Small Cob (Cob typ = 2.2pF).
- · High reliability (Adoption of HVP process).

Absolute Maximum Ratings at Ta = 25°C

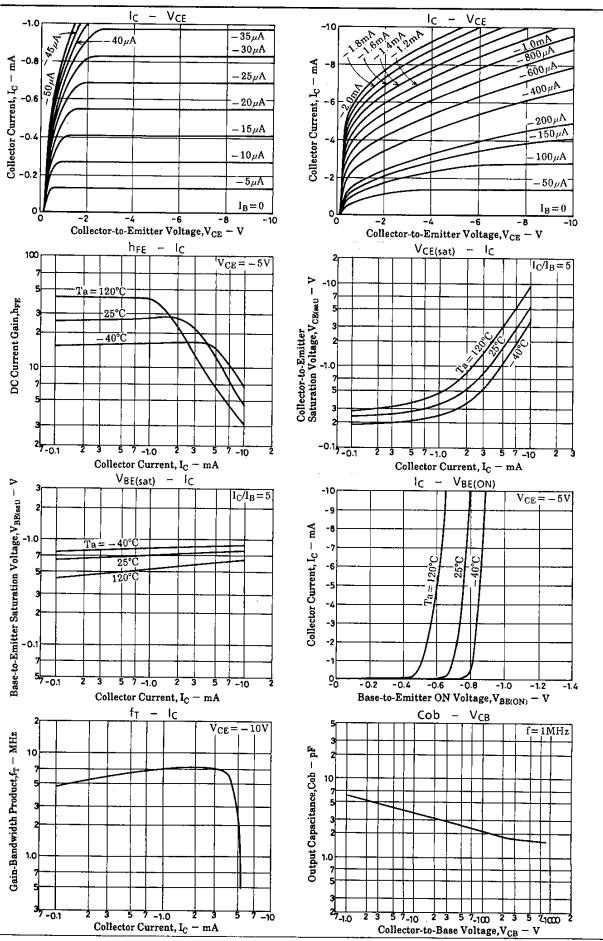
Absolute Maximum Ratings a			\mathbf{unit}			
Collector-to-Base Voltage	V _{CBO}			900	v	
Collector-to-Emitter Voltage	VCEO		-	900	v	
Emitter-to-Base Voltage	VEBO			-7 -	v	
Collector Current	I_{C}^{1}		-	-10	mA	
Collector Current (Pulse)	I _{CP}			-30	mA	
Collector Dissipation	P _C			75	W	
Junction Temperature	Тj		-	150	°Ċ	
Storage Temperature	Tstg		-55 to $+150$		°Č	
Electrical Characteristics at Ta = 25°C			min	typ	max	unit
Collector Cutoff Current	I _{CBO}	$V_{CB} = -900V_{IE} = 0$		- J F	-1	μA
Emitter Cutoff Current	IEBO	$V_{EB} = -5V I_{C} = 0$			$-\overline{1}$	μA
DC Current Gain	hFE	$V_{CE} = -5V I_C = -1mA$	20		50	P~~ -
Gain-Bandwidth Product	f _T	$V_{CE} = -10V_{IC} = -1mA$	_0	6	00	MHz
Output Capacitance	Cob	$V_{CB} = -100V, f = 1MHz$		2.2		pF
C-E Saturation Voltage	$V_{CE(sat)}$	$I_{C} = -500 \mu A, I_{B} = -100 \mu A$			-1	V
B-E Saturation Voltage	V _{BE(sat)}	$I_{\rm C} = -500 \mu A$, $I_{\rm B} = -100 \mu A$			-1.5	v
C-B Breakdown Voltage	V _{(BR)CBO}	• • • •	-900		1.0	v
C-E Breakdown Voltage	V _{(BR)CEO}		-900			v
E-B Breakdown Voltage	V _{(BR)EBO}	$I_{\rm E} = -100 \mu A, I_{\rm C} = 0$	-7			v
8-	(010)000		•			v

Package Dimensions 2010C (unit:mm)

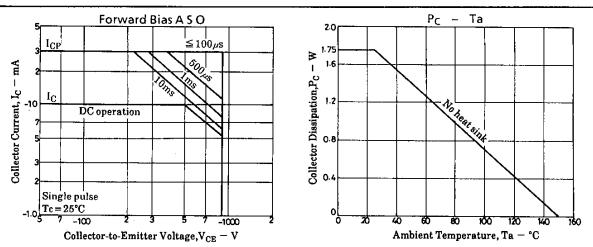


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