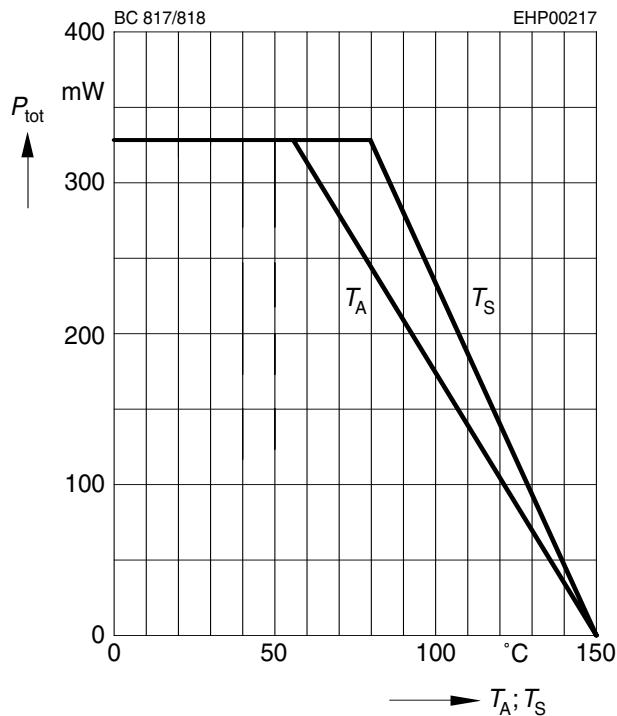


Electrical Characteristics at $T_A = 25^\circ\text{C}$, unless otherwise specified.

Parameter	Symbol	Values			Unit
		min.	typ.	max.	
AC Characteristics					
Transition frequency $I_C = 50 \text{ mA}, V_{CE} = 5 \text{ V}, f = 100 \text{ MHz}$	f_T	-	170	-	MHz
Collector-base capacitance $V_{CB} = 10 \text{ V}, f = 1 \text{ MHz}$	C_{cb}	-	6	-	pF
Emitter-base capacitance $V_{EB} = 0.5 \text{ V}, f = 1 \text{ MHz}$	C_{eb}	-	60	-	

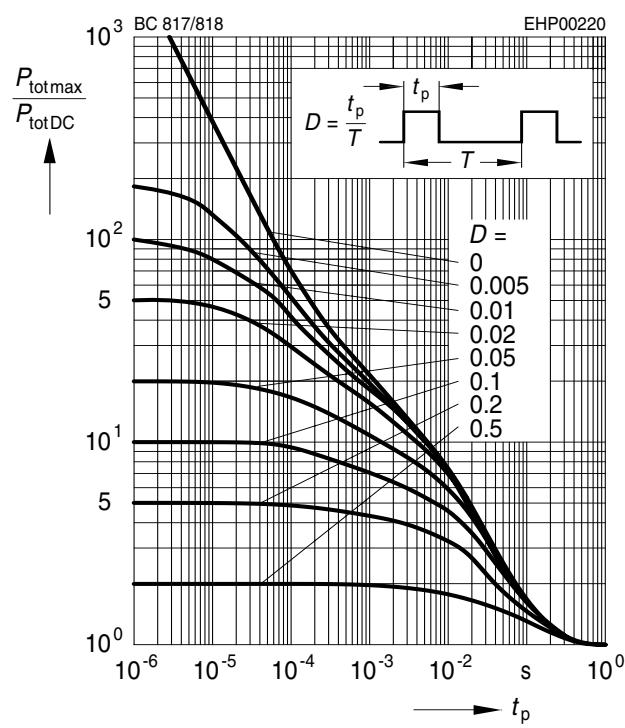
Total power dissipation $P_{\text{tot}} = f(T_A^*; T_S)$

* Package mounted on epoxy



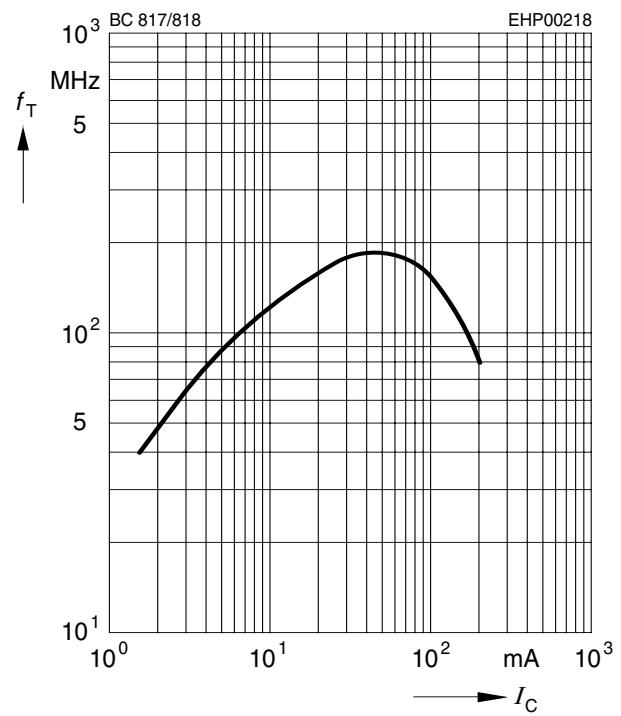
Permissible pulse load

$P_{\text{totmax}} / P_{\text{totDC}} = f(t_p)$



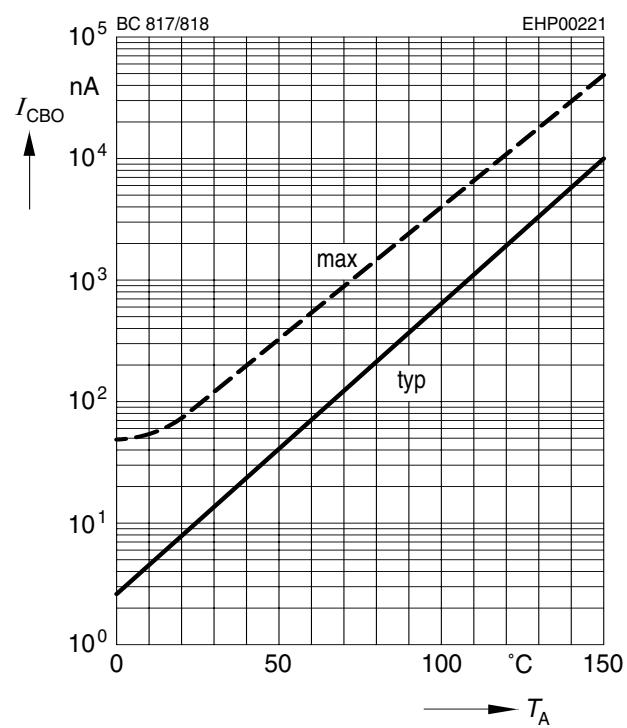
Transition frequency $f_T = f(I_C)$

$V_{\text{CE}} = 5V$



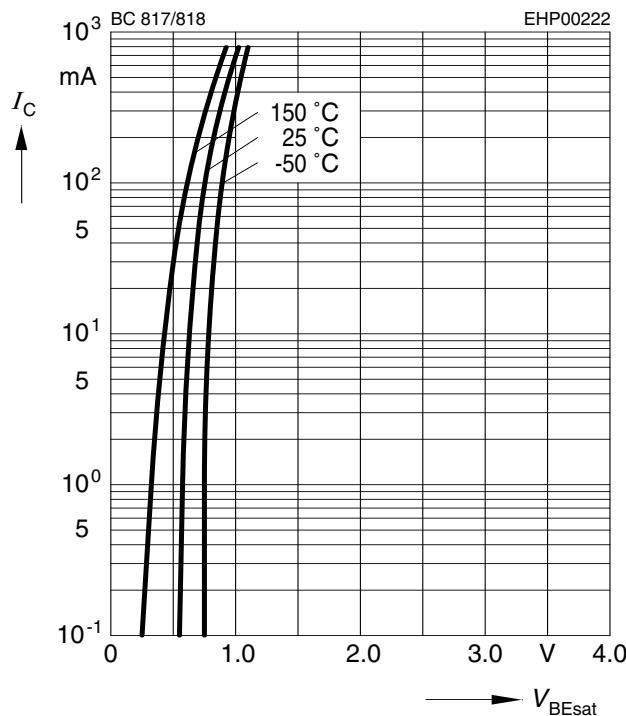
Collector cutoff current $I_{\text{CBO}} = f(T_A)$

$V_{\text{CBO}} = 25V$

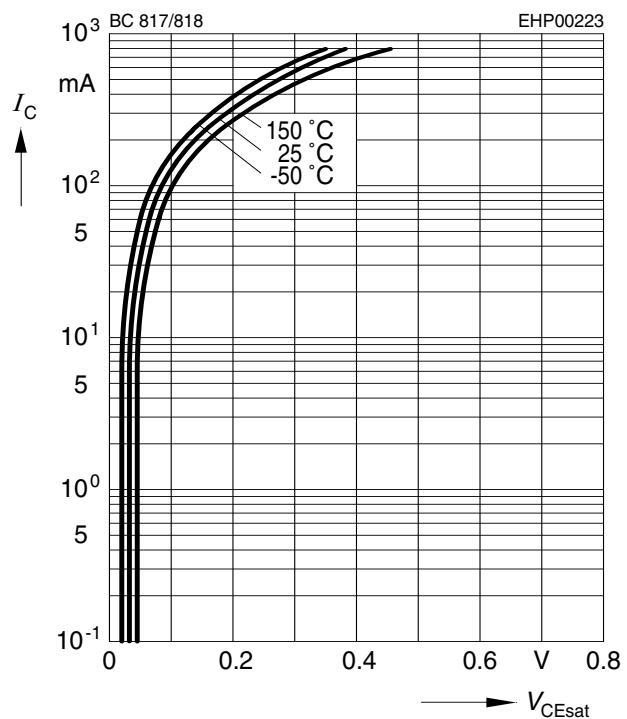


Base-emitter saturation voltage

$$I_C = f(V_{BEsat}), h_{FE} = 10$$


Collector-emitter saturation voltage

$$I_C = f(V_{CEsat}), h_{FE} = 10$$


DC current gain $h_{FE} = f(I_C)$

$$V_{CE} = 1\text{V}$$

