

Power Transistor Array SLA8004

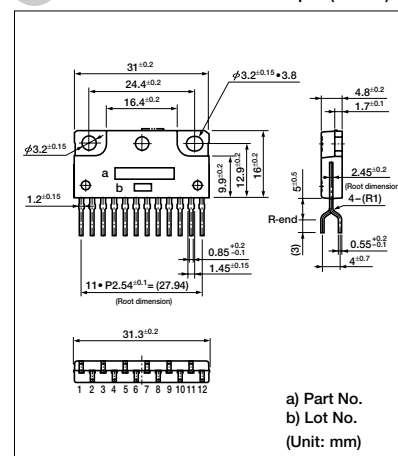
Absolute Maximum Ratings (T_a=25°C)

Symbol	Ratings		Unit
	NPN	PNP	
V _{CB0}	60	−55	V
V _{CE0}	60	−55	V
V _{EB0}	6	−6	V
I _C	12	−12	A
I _B	3	−3	A
P _T	5 (T _C =25°C, No Fin)		W
	40 (T _C =25°C)		W
T _J	150		°C
T _{sta}	−55 to +150		°C

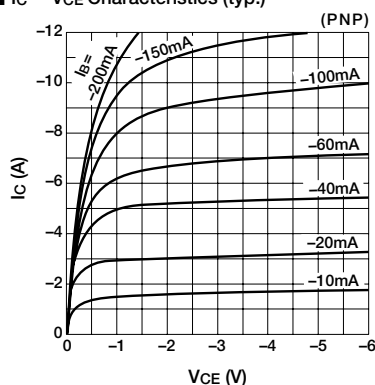
Electrical Characteristics

Symbol	NPN		PNP		Unit
	Test Conditions	Ratings	Test Conditions	Ratings	
ICBO	V _{CB} = 60V	100max	V _{CB} = -55V	-100max	μA
IEBO	V _{EB} = 6V	60max	V _{EB} = -6V	-60max	mA
V _{CEO}	I _C = 25mA	60min	I _C = -25mA	-55min	V
h _{FE}	V _{CE} = 1V, I _C = 3A	150min	V _{CE} = -1V, I _C = -3A	80min	
V _{CE(sat)}	I _C = 6A, I _B = 0.3A	0.35max	I _C = -6A, I _B = -0.3A	-0.35max	V
V _{FEC}	I _{FEC} = 10A	2.5max	I _{FEC} = 10A	2.5max	V

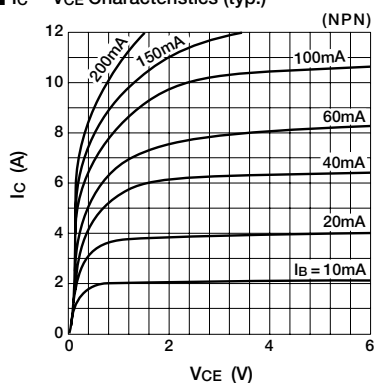
External Dimensions SLA 12pin (LF817)



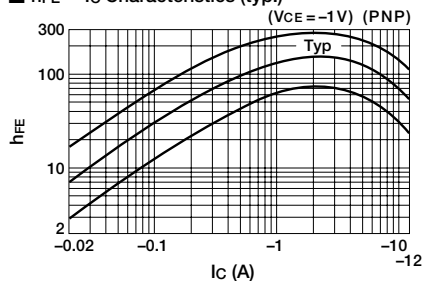
■ I_C — V_{CE} Characteristics (typ.)



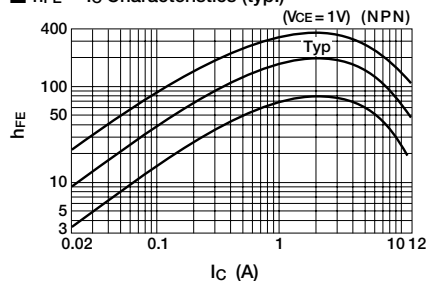
■ I_C — V_{CE} Characteristics (typ.)



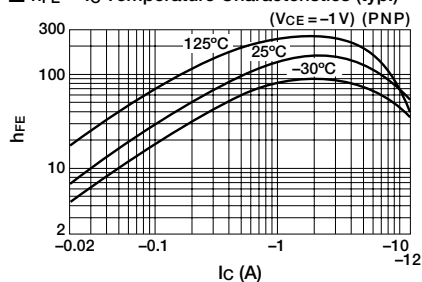
■ hFE—Ic Characteristics (typ.)



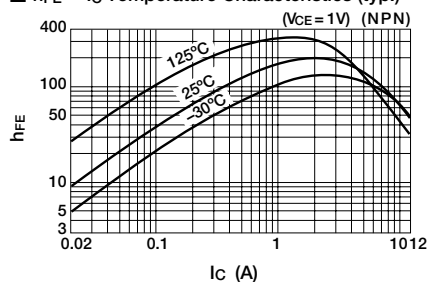
■ h_{FE} — I_C Characteristics (typ.)



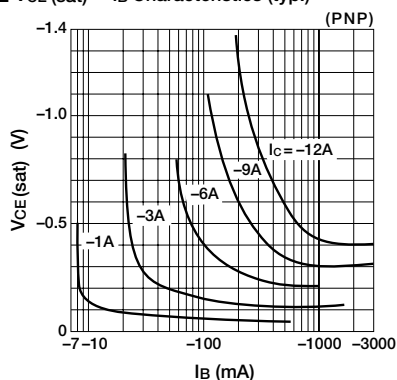
■ h_{FE} — I_C Temperature Characteristics (typ.)



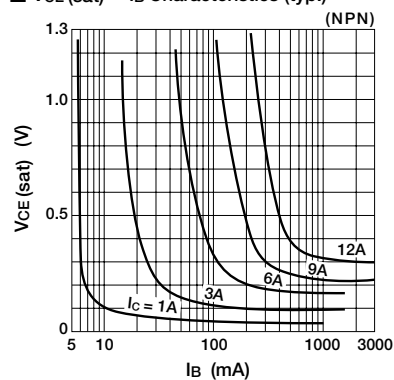
■ h_{FE} — I_C Temperature Characteristics (typ.)



■ $V_{CE}(\text{sat})$ — I_B Characteristics (typ.)



■ $V_{CE}(\text{sat})$ — I_B Characteristics (typ.)



Equivalent Circuit Diagram

