LAPT **2SA1295**

Silicon PNP Epitaxial Planar Transistor (Complement to type 2SC3264)

Application : Audio and General

■ **Absolute maximum ratings** (Ta=25°C)

Symbol	2SA1295	Unit
V_{CBO}	−230	V
V_{CEO}	−230	V
V_{EBO}	−5	V
I_C	−17	A
I_B	−5	A
P_C	200(Tc=25°C)	W
T_j	150	°C
T_{stg}	−55 to +150	°C

■ **Electrical Characteristics** (Ta=25°C)

Symbol	Conditions	2SA1295	Unit
I_{CBO}	V_{CB}=−230V	−100max	μA
I_{EBO}	V_{EB}=−5V	−100max	μA
$V_{(BR)CEO}$	I_C=−25mA	−230min	V
h_{FE}	V_{CE}=−4V, I_C=−5A	50min*	
$V_{CE(sat)}$	I_C=−5A, I_B=−0.5A	−2.0max	V
f_T	V_{CE}=−12V, I_E=2A	35typ	MHz
C_{OB}	V_{CB}=−10V, f=1MHz	500typ	pF

*h_{FE} Rank $\overline{O}$(50 to 100), Y(70 to 140)

External Dimensions MT-200

Weight : Approx 18.4g
a. Type No.
b. Lot No.

■ **Typical Switching Characteristics (Common Emitter)**

| V_{CC} (V)	R_L (Ω)	I_C (A)	V_{BB1} (V)	V_{BB2} (V)	I_{B1} (mA)	I_{B2} (mA)	ton (μs)	tstg (μs)	tf (μs)
−60	12	−5	−10	5	−500	500	0.35typ	1.50typ	0.30typ
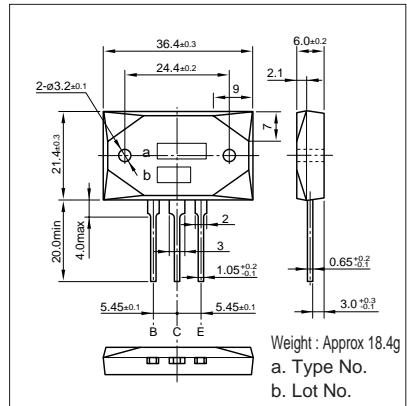
I_C−V_{CE} Characteristics (Typical)
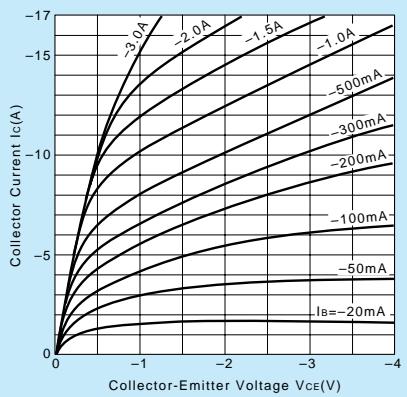


$V_{CE}(sat)$−I_B Characteristics (Typical)
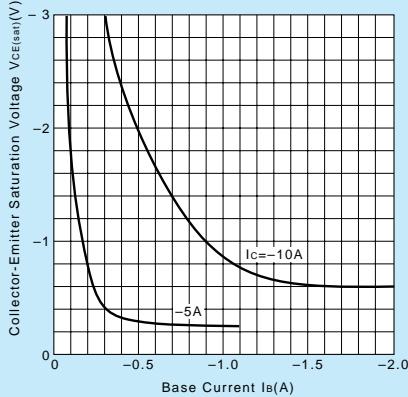

I_C−V_{BE} Temperature Characteristics (Typical)
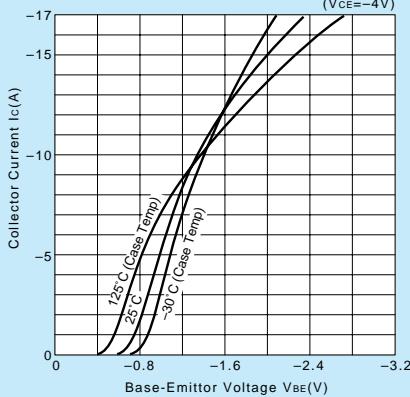
h_{FE}−I_C Characteristics (Typical)
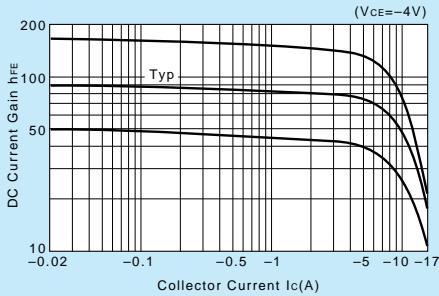

h_{FE}−I_C Temperature Characteristics (Typical)
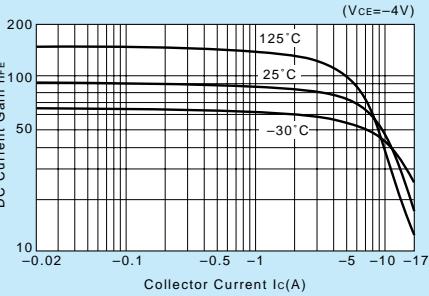
$\theta_{j\text{-}a}$−t Characteristics
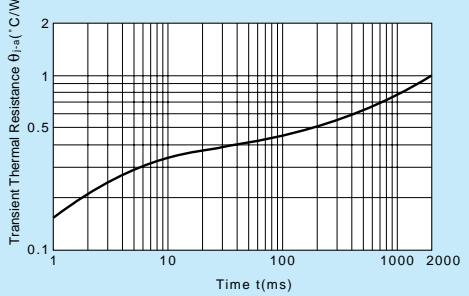

f_T−I_E Characteristics (Typical)
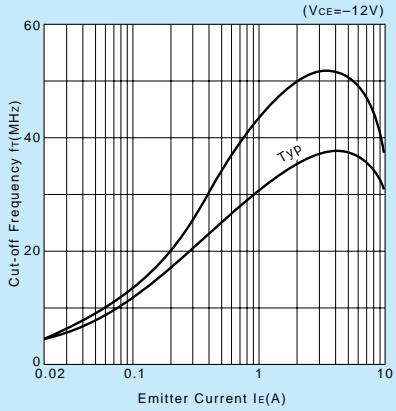
Safe Operating Area (Single Pulse)

Pc−Ta Derating

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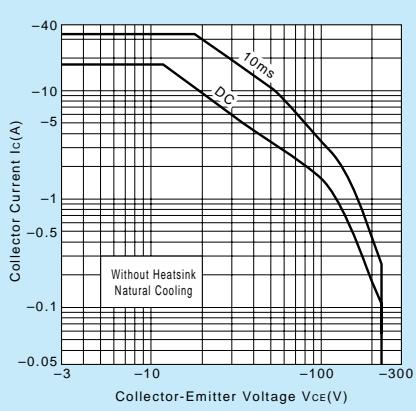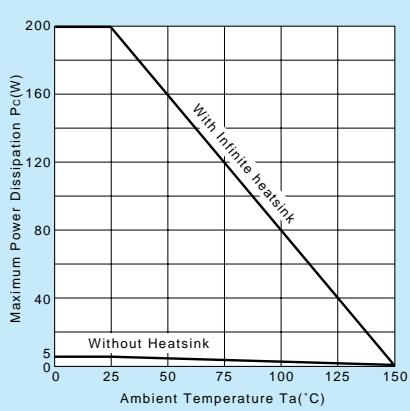
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