

2SA1907

シリコンPNPエピタキシャルプレーナ型トランジスタ (2SC5099とコンプリメンタリ)

用途：オーディオ、一般用

絶対最大定格 (Ta = 25)

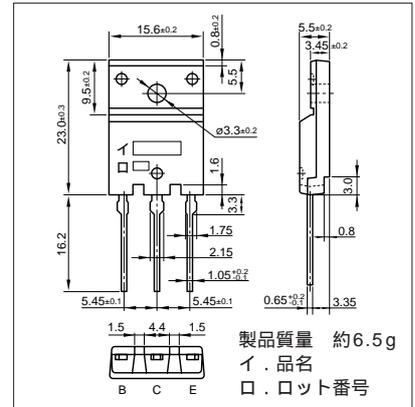
記号	規格値	単位
V _{CB0}	- 80	V
V _{CE0}	- 80	V
V _{EB0}	- 6	V
I _c	- 6	A
I _b	- 3	A
P _c	60(T _c = 25)	W
T _j	150	
T _{stg}	- 55 ~ + 150	

電気的特性 (Ta = 25)

記号	試験条件	規格値	単位
I _{cB0}	V _{CB} = - 80V	- 10max	μA
I _{EB0}	V _{EB} = - 6V	- 10max	μA
V(BR) _{CEO}	I _c = - 50mA	- 80min	V
h _{FE}	V _{CE} = - 4V, I _c = - 2A	50min	
V _{CE(sat)}	I _c = - 12A, I _b = - 0.2A	- 0.5max	V
f _r	V _{CE} = - 12V, I _E = 0.5A	20typ	MHz
COB	V _{CB} = - 10V, f = 1MHz	150typ	pF

ランク O(50~100), P(70~140), Y(90~180)

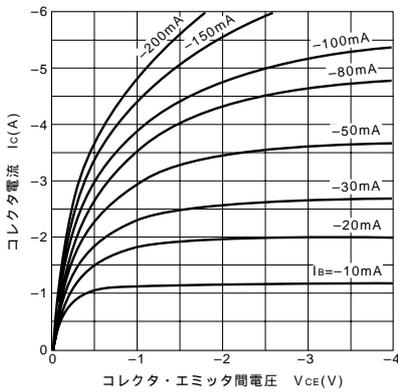
外形図 FM100(TO3PF)



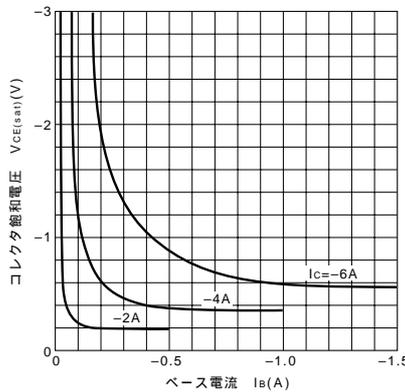
代表的スイッチング特性 (エミッタ接地)

V _{CC} (V)	R _L (Ω)	I _c (A)	V _{BB1} (V)	V _{BB2} (V)	I _{B1} (A)	I _{B2} (A)	t _{on} (μs)	t _{stg} (μs)	t _f (μs)
-30	10	-3	-10	5	-0.3	0.3	0.18typ	1.10typ	0.21typ

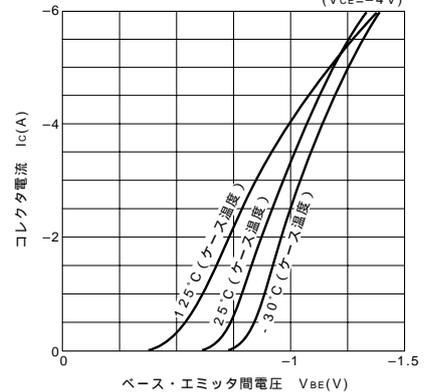
I_c-V_{CE}特性 (代表例)



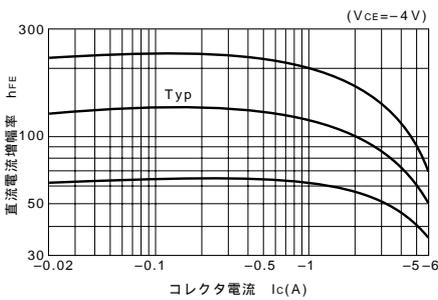
V_{CE(sat)}-I_b特性 (代表例)



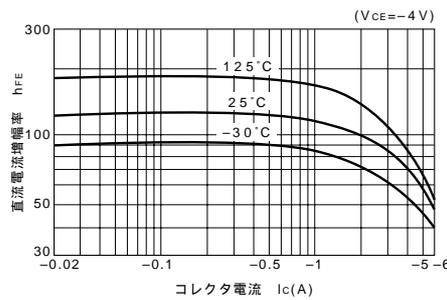
I_c-V_{BE}温度特性 (代表例)



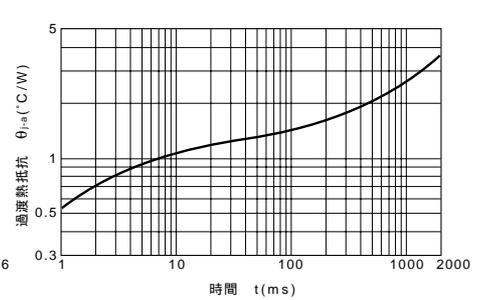
h_{FE}-I_c特性 (代表例)



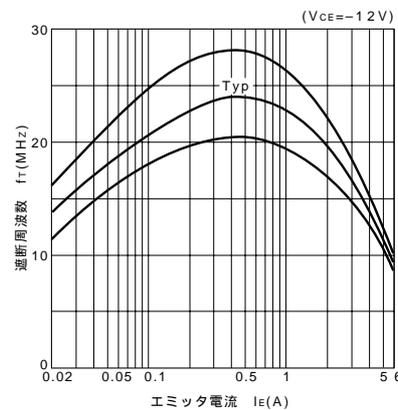
h_{FE}-I_c温度特性 (代表例)



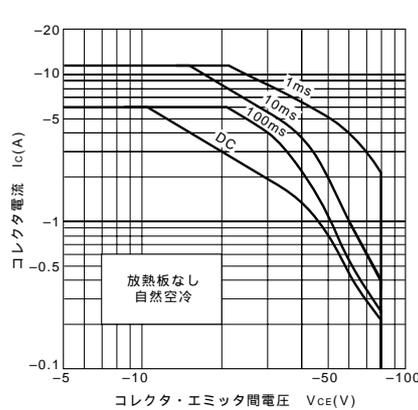
θ_{JA}-t特性



f_T-I_E特性 (代表例)



ASO曲線 (単発パルス)



P_c-T_a定格

