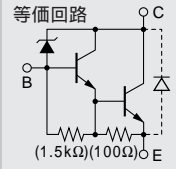


サージ電圧吸収 ダーリントン

2SD2141



シリコンNPN三重拡散プレーナ型トランジスタ

用途：イグナイタ、ソレノイド、モータ駆動、一般用

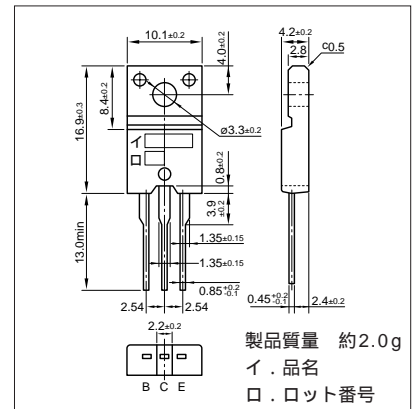
絶対最大定格 (Ta = 25)

記号	規格値	単位
V _{CB0}	380 ± 50	V
V _{CE0}	380 ± 50	V
V _{EB0}	6	V
I _C	6(パルス10)	A
I _B	1	A
P _C	35(T _C = 25)	W
T _j	150	
T _{stg}	- 55 ~ + 150	

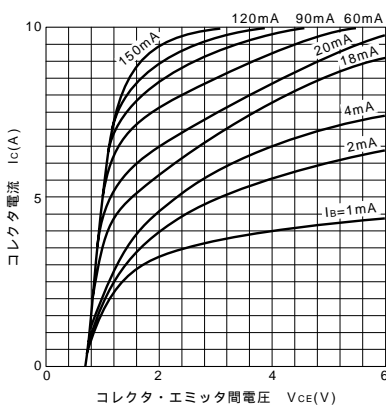
電気的特性 (Ta = 25)

記号	試験条件	規格値	単位
I _{CB0}	V _{CB} = 330V	10max	μA
I _{EB0}	V _{EB} = 6V	20max	mA
V(BR) _{CEO}	I _C = 25mA	330 ~ 430	V
h _{FE}	V _{CE} = 2V, I _C = 3A	1500min	
V _{CE(sat)}	I _C = 4A, I _B = 20mA	1.5max	V
f _T	V _{CE} = 12V, I _E = - 0.5A	20typ	MHz
C _{OB}	V _{CB} = 10V, f = 1MHz	95typ	pF

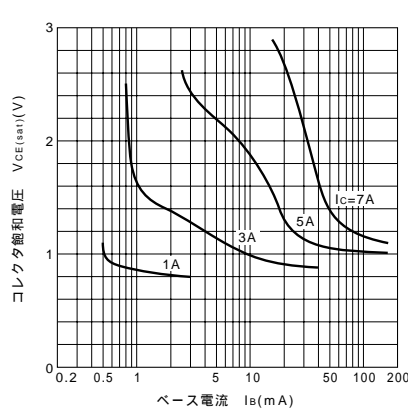
外形図 FM20(T0220F)



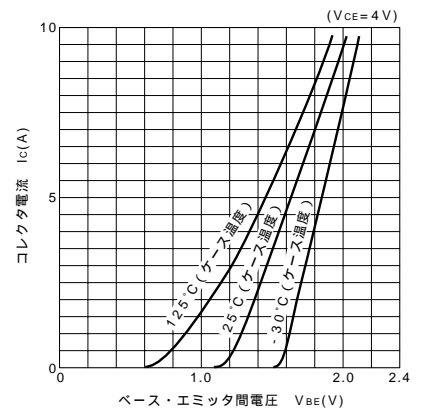
I_C-V_{CE}特性 (代表例)



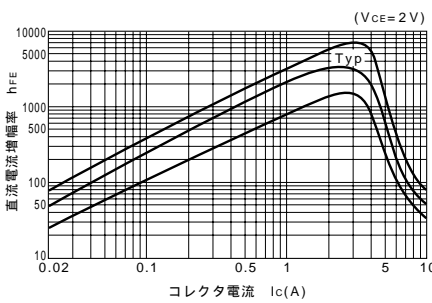
V_{CE(sat)}-I_B特性 (代表例)



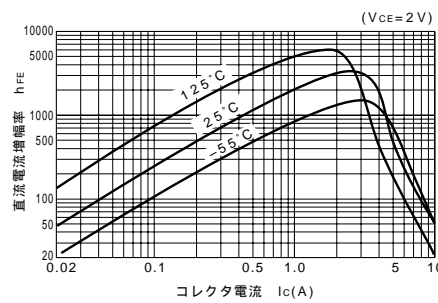
I_C-V_{BE}温度特性 (代表例)



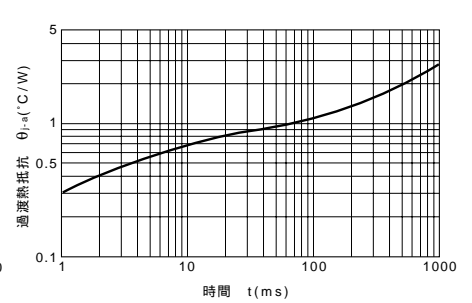
h_{FE}-I_C特性 (代表例)



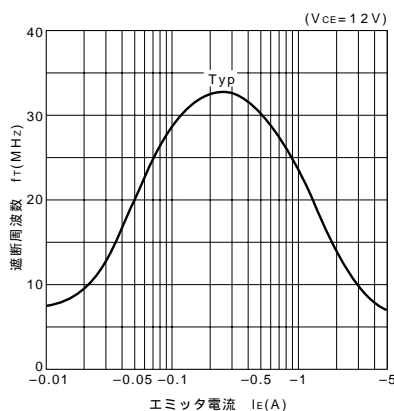
h_{FE}-I_C温度特性 (代表例)



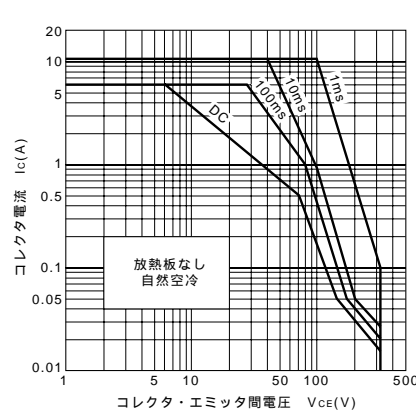
θ_{j-a}-t特性



f_T-I_E特性 (代表例)



ASO曲線 (単発パルス)



P_C-T_a定格

