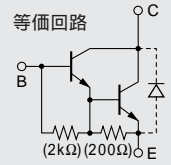


# ダーリントン 2SD2081



シリコンNPN三重拡散プレーナ型トランジスタ(2SB1259とコンプリメンタリ)

用途: ソレノイド、モータ駆動、一般用

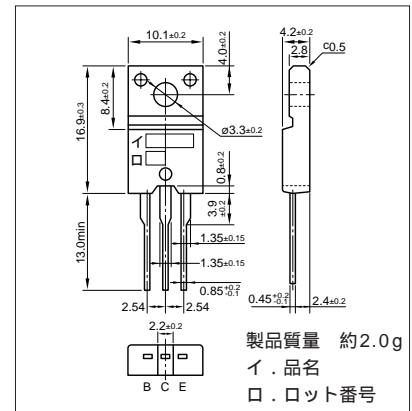
## 絶対最大定格 (Ta=25)

記号	規格値	単位
V <sub>CB0</sub>	120	V
V <sub>CEO</sub>	120	V
V <sub>EB0</sub>	6	V
I <sub>C</sub>	10(パルス15)	A
I <sub>B</sub>	1	A
P <sub>C</sub>	30(T <sub>C</sub> =25)	W
T <sub>j</sub>	150	
T <sub>stg</sub>	-55 ~ +150	

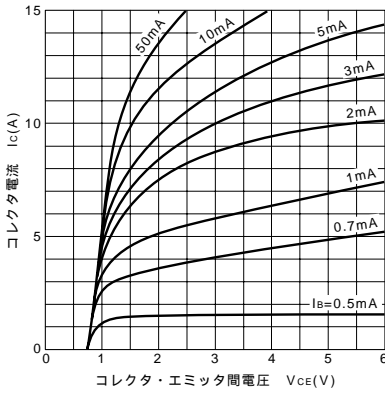
## 電気的特性 (Ta=25)

記号	試験条件	規格値	単位
I <sub>CB0</sub>	V <sub>CB</sub> = 120V	10max	μA
I <sub>EB0</sub>	V <sub>EB</sub> = 6V	10max	mA
V(BR) <sub>CEO</sub>	I <sub>C</sub> = 10mA	120min	V
h <sub>FE</sub>	V <sub>CE</sub> = 4V, I <sub>C</sub> = 5A	2000min	
V <sub>CE(sat)</sub>	I <sub>C</sub> = 5A, I <sub>B</sub> = 5mA	1.5max	V
V <sub>BE(sat)</sub>	I <sub>C</sub> = 5A, I <sub>B</sub> = 5mA	2.0max	V
f <sub>T</sub>	V <sub>CE</sub> = 12V, I <sub>E</sub> = -0.5A	60typ	MHz
C <sub>OB</sub>	V <sub>CB</sub> = 10V, f = 1MHz	95typ	pF

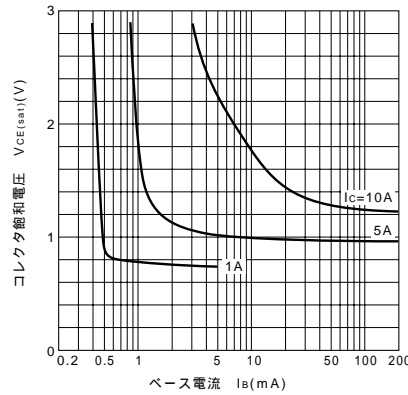
## 外形図 FM20(T0220F)



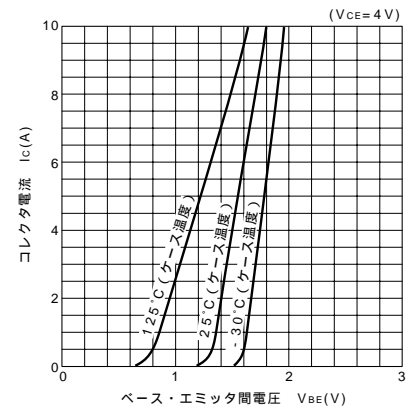
I<sub>C</sub>-V<sub>CE</sub>特性 (代表例)



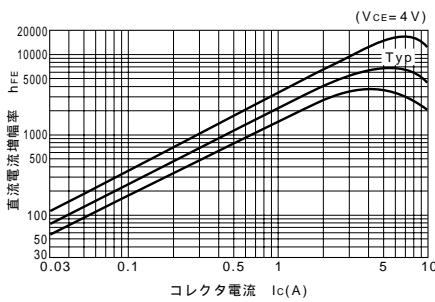
V<sub>CE(sat)</sub>-I<sub>B</sub>特性 (代表例)



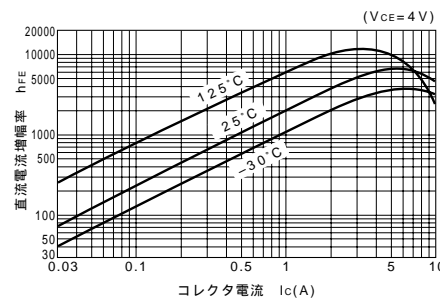
I<sub>C</sub>-V<sub>BE</sub>温度特性 (代表例)



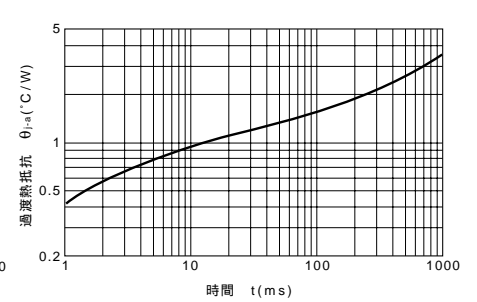
h<sub>FE</sub>-I<sub>C</sub>特性 (代表例)



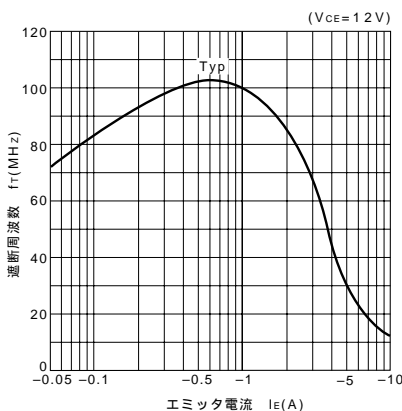
h<sub>FE</sub>-I<sub>C</sub>温度特性 (代表例)



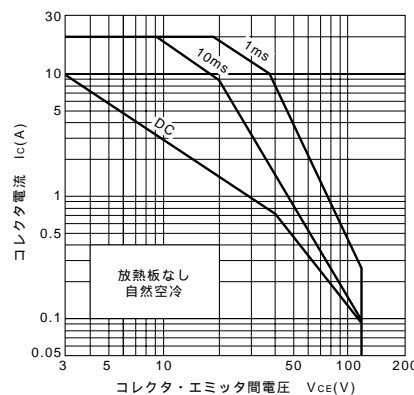
θ<sub>j-a</sub>-t特性



f<sub>T</sub>-I<sub>E</sub>特性 (代表例)



ASO曲線 (単発パルス)



P<sub>C</sub>-T<sub>a</sub>定格

