

2SC4883/4883A

シリコンNPNエピタキシャルプレーナ型トランジスタ (2SA1859/1859Aとコンプリメンタリ)

用途：オーディオ出力ドライバ、TV速度変調

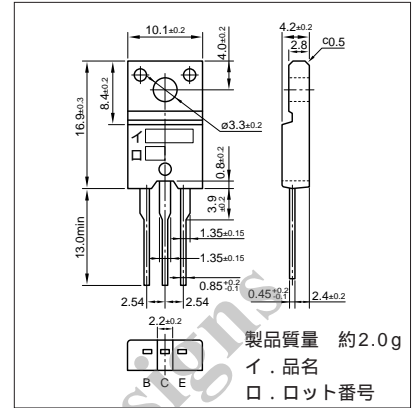
絶対最大定格 (Ta=25)

電気的特性 (Ta=25)

| 記号 | 規格値 | | 単位 |
|------|-----------|----------|----|
| | 2SC4883 | 2SC4883A | |
| VcBO | 150 | 180 | V |
| VCE0 | 150 | 180 | V |
| VEBO | 6 | | V |
| Ic | 2 | | A |
| Ib | 1 | | A |
| Pc | 20(Tc=25) | | W |
| Tj | 150 | | |
| Tstg | -55~+150 | | |

| 記号 | 試験条件 | 規格値 | | 単位 |
|----------|-----------------------|---------|----------|-----|
| | | 2SC4883 | 2SC4883A | |
| IcBO | Vcb = | 10max | 180 | μA |
| IEBO | VEB = 6V | 10max | | μA |
| V(BR)CEO | Ic = 10mA | 150min | 180min | V |
| hFE | VCE = 10V, Ic = 0.7A | 60~240 | | |
| VCE(sat) | Ic = 0.7A, Ib = 70mA | 1.0max | | V |
| fr | VCE = 12V, IE = -0.7A | 120typ | | MHz |
| COB | Vcb = 10V, f = 1MHz | 30typ | | pF |

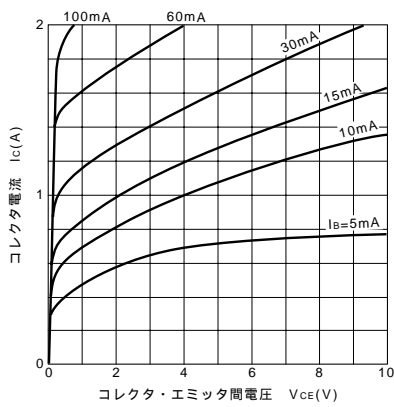
外形図 FM20(TO220F)



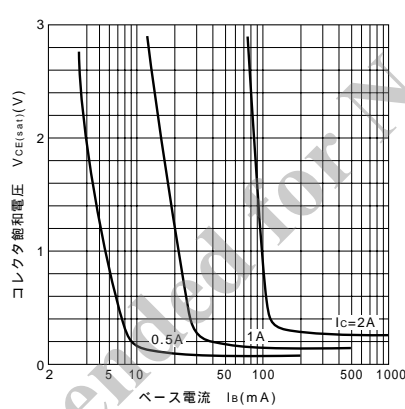
代表的スイッチング特性 (エミッタ接地)

| VCC (V) | RL (Ω) | Ic (A) | VBB1 (V) | VBB2 (V) | Ib1 (mA) | Ib2 (mA) | ton (μs) | tstg (μs) | tf (μs) |
|---------|--------|--------|----------|----------|----------|----------|----------|-----------|---------|
| 20 | 20 | 1 | 10 | -5 | 100 | -100 | 0.5typ | 1.5typ | 0.5typ |

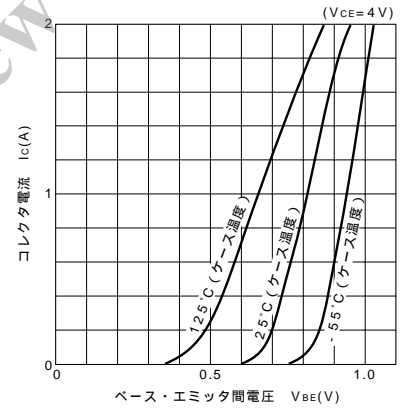
Ic-VCE特性 (代表例)



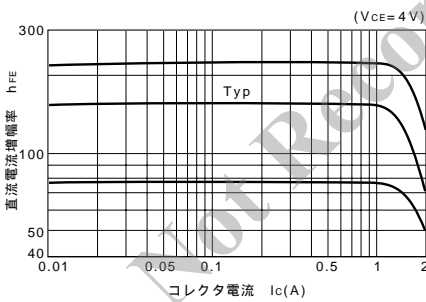
VCE(sat)-Ib特性 (代表例)



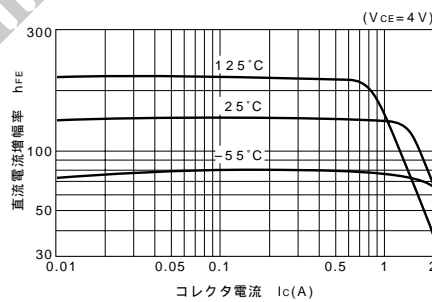
Ic-VBE温度特性 (代表例)



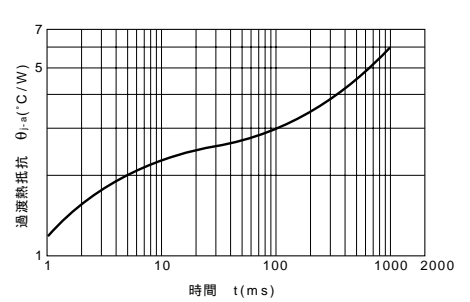
hFE-Ic特性 (代表例)



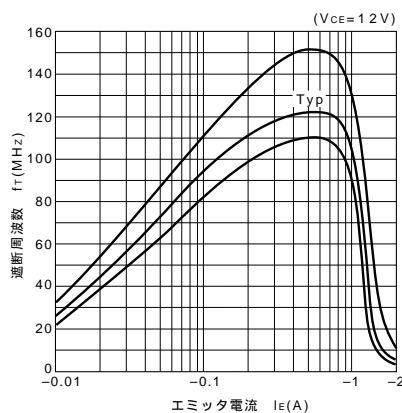
hFE-Ic温度特性 (代表例)



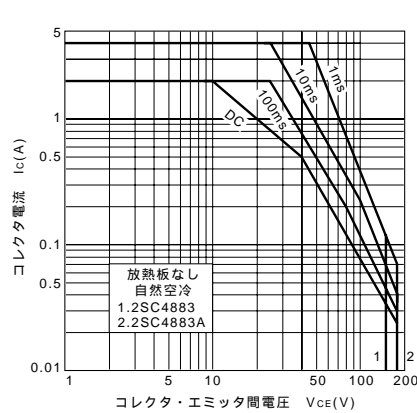
θj-a-t特性



fT-IE特性 (代表例)



ASO曲線 (単発パルス)



Pc-Ta定格

