

2SC5482

低周波電力増幅用
シリコン NPN エピタキシャル形(フレームタイプ)

概要

2SC5482は、樹脂封止形シリコンNPNエピタキシャル形トランジスタです。
耐圧が高い、コレクタ電流が大きい、さらにコレクタ損失が大きく、設計・製造されておりますので、リレードライバや電源等の汎用トランジスタとしてご使用いただけます。

特長

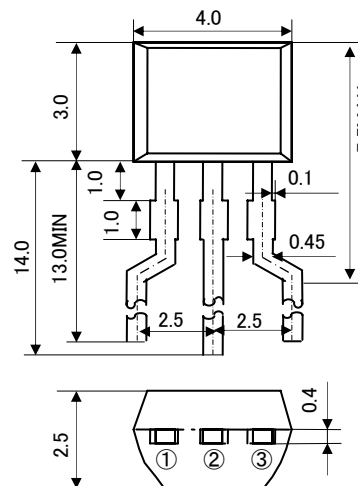
- コレクタ電流が大きい $I_C=1A$
- $V_{CE(sat)}$ が低い $V_{CE(sat)}0.11V$ 標準 (@ $I_C=500mA$, $I_B=25mA$)
- 耐圧が高い $V_{CEO}=60V$
- コレクタ損失が大きい $P_C=600mW$

用途

オーディオ機器、VTR、電装機器、その他電子機器のリレードライバ、電源

外形図

単位:mm



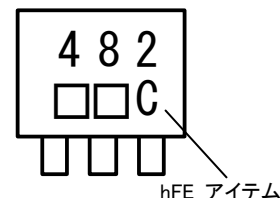
電極接続
①:エミッタ
②:コレクタ
③:ベース

JEITA: -
JEDEC: -

最大定格 ($T_a=25^{\circ}C$)

記号	項目	定格値	単位
V_{CBO}	コレクタ・ベース間電圧	60	V
V_{EBO}	エミッタ・ベース間電圧	6	V
V_{CEO}	コレクタ・エミッタ間電圧	60	V
I_{CM}	せん頭コレクタ電流	2	A
I_C	コレクタ電流	1	A
P_C	コレクタ損失	600	mW
T_j	接合部温度	+150	$^{\circ}C$
T_{stg}	保存温度	-55~+150	$^{\circ}C$

マーキング図



記号	項目	試験条件	特性値			単位
			最小	標準	最大	
$V_{(BR)CBO}$	コレクタ・ベース降伏電圧	$I_C=10\mu A$, $I_E=0mA$	60	-	-	V
$V_{(BR)EBO}$	エミッタ・ベース降伏電圧	$I_E=10\mu A$, $I_C=0mA$	6	-	-	V
$V_{(BR)CEO}$	コレクタ・エミッタ降伏電圧	$I_C=2mA$, $R_{BE}=\infty$	60	-	-	V
I_{CBO}	コレクタ遮断電流	$V_{CB}=50V$, $I_E=0mA$	-	-	0.2	μA
I_{EBO}	エミッタ遮断電流	$V_{EB}=4V$, $I_C=0mA$	-	-	0.2	μA
hFE※	直流電流増幅率	$V_{CE}=4V$, $I_C=100mA$	55	-	300	-
$V_{CE(sat)}$	コレクタ・エミッタ飽和電圧	$I_C=500mA$, $I_B=25mA$	-	0.11	0.3	V
fT	利得帯域幅積	$V_{CE}=2V$, $I_E=-10mA$	-	120	-	MHz
Cob	コレクタ出力容量	$V_{CB}=10V$, $I_E=0mA$, $f=1MHz$	-	14	-	pF

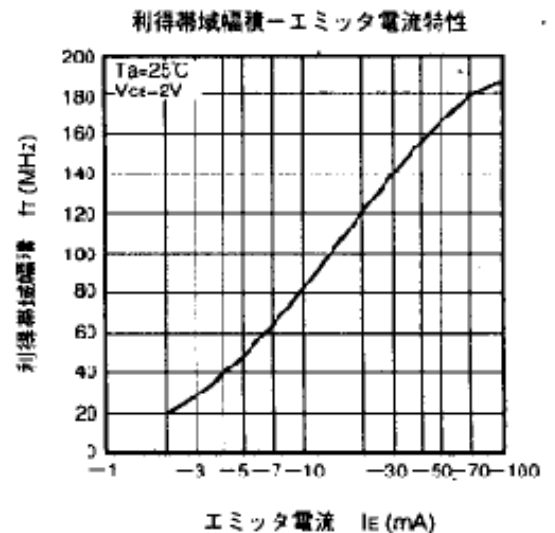
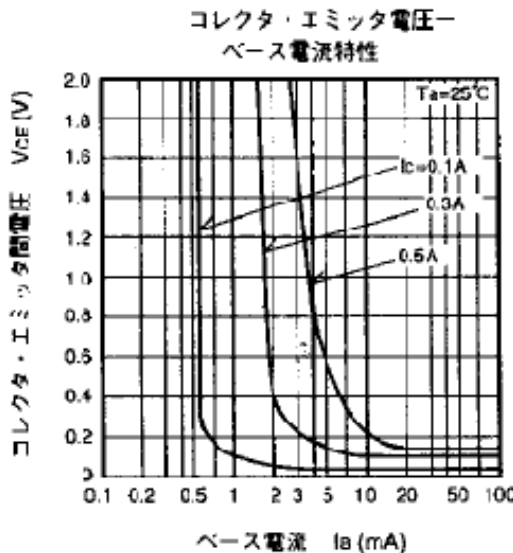
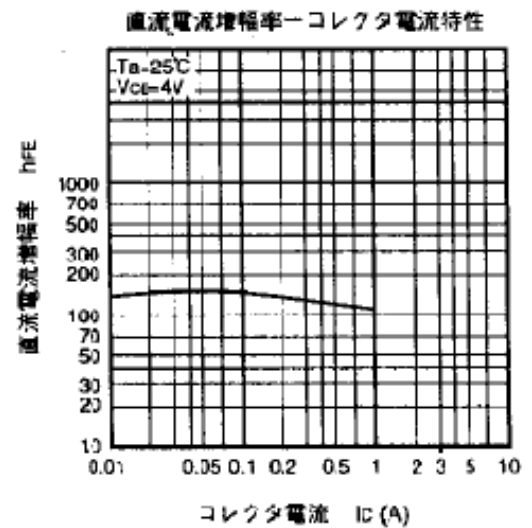
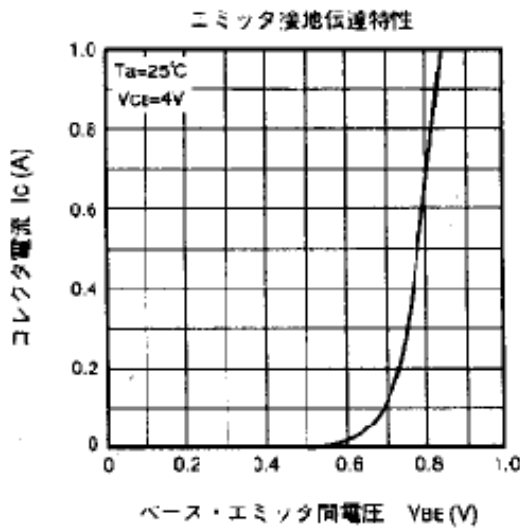
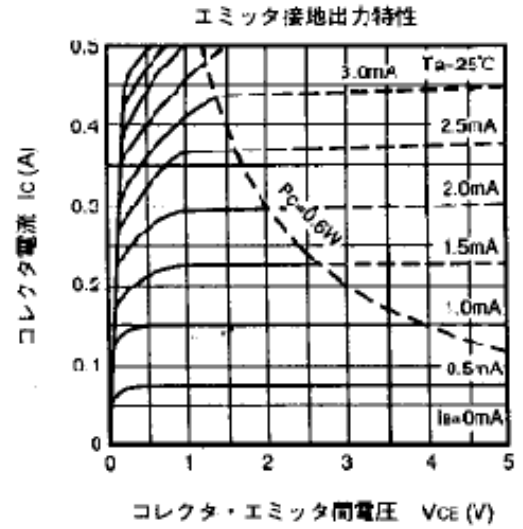
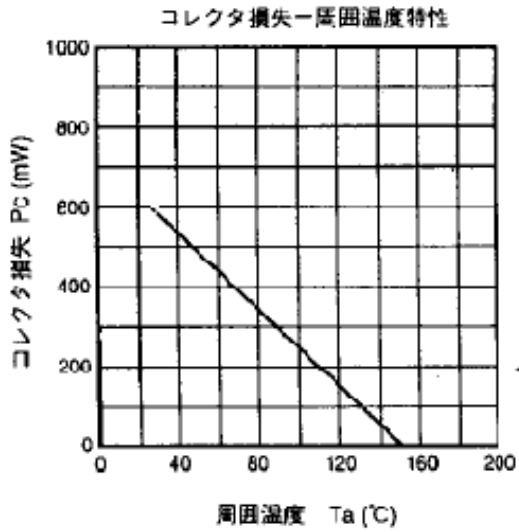
* :hFE の値により右表のようにアイテム分類を行っています。

アイテム	C	D	E
hFE	55~110	90~180	150~300

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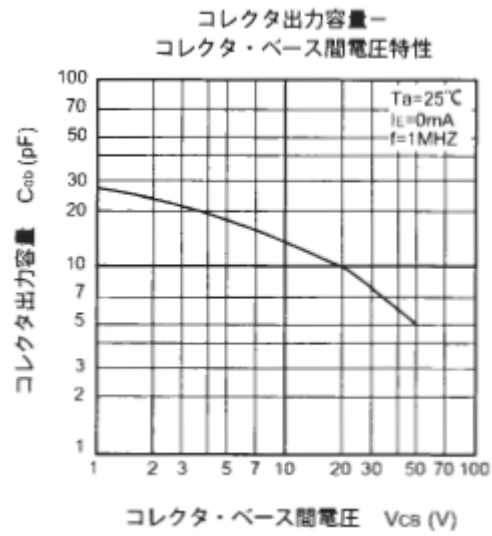
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標準特性



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