2SA1366

FOR GENERAL PURPOSE HIGH CURRENT DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

2SA1366 is a super mini silicon PNP epitaxial type transistor designed with high collector current, high voltage. Complementary with 2SC3441.

FEATURE

- ●High VCEO VCEO=-50V
- Excellent linearity of DC forward current gain.
- Super mini package for easy mounting.
- High collector current Icм=-600mA
- High gain band width product fT=150MHz typ

APPLICATION

For switching small type motor application.

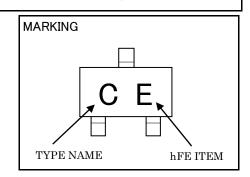
MAXIMUM RATINGS (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to Base voltage	V _{CBO}	-55	V
Emitter to Base voltage	V _{EBO}	-4	V
Collector to Emitter voltage	V _{CEO}	-50	V
Collector current	I _C	-400	mA
Peak Collector current	I _{CM}	-600	mA
Collector dissipation (Ta=25°C)	Pc	200	mW
Junction temperature	Tj	+150	°C
Storage temperature	T_{stg}	-55 ~ + 150	°C

JEITA: SC-59 JEDEC: Similar to TO-236 TERMINAL CONNECTER

①:BASE ②:EMITTER ③:COLLECTOR

The dimension without tolerance represent central value.



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Demonstra	Completed	T	Limits			11.54	
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit	
C to B breakdown voltage	V(BR)CBO	$I_{\rm C}$ =-10 μ A , $I_{\rm E}$ =0	-55	-	ı	٧	
E to B breakdown voltage	V(BR)EBO	$I_E=-10 \mu$ A , $I_C=0$	-4	-	ı	٧	
C to E breakdown voltage	V(BR)CEO	I _C =-100 μ A ,R _{BE} =∞	-50	-	-	٧	
Collector cut off current	Ісво	V _{CB} =-25V, I _E =0	-	_	-1	μΑ	
Emitter cut off current IEBO	І ЕВО	V _{EB} =-2V, I _C =0		-	-1	μΑ	
DC forward current gain 💥 hFE		V _{CE} =-4V, I _C =-100mA	90	1	500	-	
C to E Saturation Voltage VCE(sat)		$I_{\rm C}$ =-200mA , $I_{\rm B}$ =-10mA	-	-0.17	-0.5	٧	
Gain band width product	fT	V _{CE} =-6V, I _E =10mA	-	150	_	MHz	

Note)

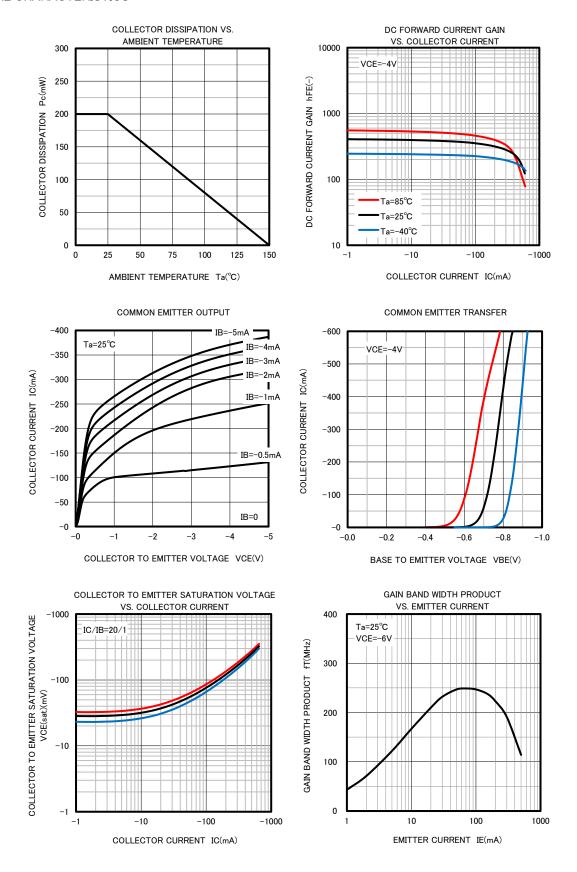
💥) It shows hFE classification in below table

Item	D	E	F
hFE	90 to 180	150 to 300	250 to 500

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TYPICAL CHARACTERISTICS



Keep safety first in your circuit designs!

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