2SA1603

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE(Super mini type)

DESCRIPTION

2SA1603 is a super mini package resin sealed silicon PNP epitaxial transistor,

It is designed for low frequency voltage application.

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FEATURE

Small collector to emitter saturation voltage.

VCE(sat)=-0.3V max

Excellent linearity of DC forward gain.

Super mini package for easy mounting

APPLICATION

For Hybrid IC,small type machine low frequency voltage Amplify application.

MAXIMUM RATINGS(Ta=25)

Symbol	Parameter	Ratings	Unit
V_{CBO}	Collector to Base voltage	-50	V
V_{CEO}	Collector to Emitter voltage	-50	V
V_{EBO}	Emitter to Base voltage	-6	V
I _o	Collector current	-100	mA
P _c	Collector dissipation	150	mW
T _j	Junction temperature	+ 125	
T_{stg}	Storage temperature	-55 ~ +125	

JEITA: SC-70 TERMINAL CONNECTER : BASE : EMITTER : COLLECTOR

ELECTRICAL CHARACTERISTICS (Ta=25)

Doromotor	Cumbal	Took and distance	Limits			Unit
Parameter	Symbol	Test conditions		Тур	Max	Unit
C to E break down voltage	V(BR)ceo	I _C =-100 μ A ,R _{BE} =	-50	-	1	V
Collector cut off current	ICBO	V_{CB} =-50V, I_{E} =0mA	ı	-	-0.5	μΑ
Emitter cut off current	IEBO	V_{EB} =-4V, I $_{C}$ =0mA	ı	-	-0.5	μΑ
DC forward current gain	hFE	V_{CE} =-6V, I_{C} =-1mA	120	-	820	
DC forward current gain	hFE	V_{CE} =-6V, I_{C} =-0.1mA	70	-	ı	
C to E Saturation Vlotage	VCE(sat)	I _C =-30mA ,I _B =-1.5mA	ı	-	-0.3	٧
Gain bandwidth product	fT	V _{CE} =-6V, I _E =10mA	ı	200	ı	MHz
Collector output capacitance	Cob	V _{CB} =-6V, I _E =0,f=1MHz		2.5	-	pF

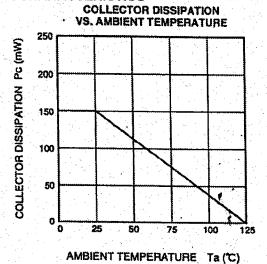
) It shows hFE classification in below table.

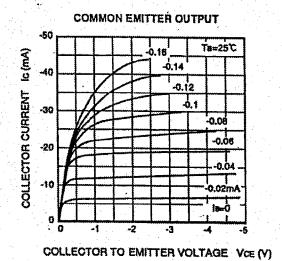
I t em	Q	R	S	Т
h F E Item	120~270	180~390	270~560	390~820

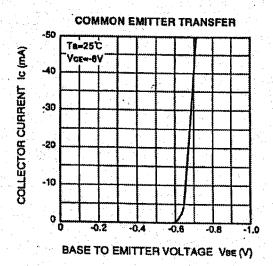
2SA1603

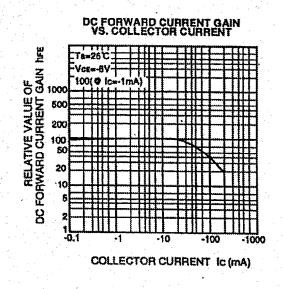
For Low Frequency Amplify Application Silicon PNP Epitaxial Type (Super Mini type)

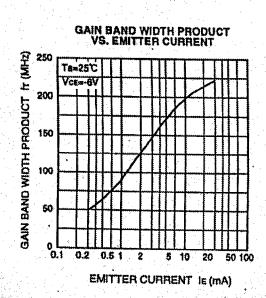
TYPICAL CHARACTERISTICS

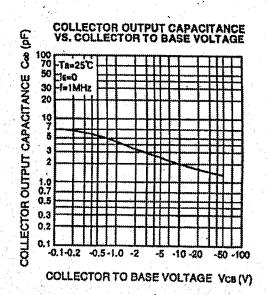














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