Elektronische Bauelemente

2SA1579

-0.05A , -120V

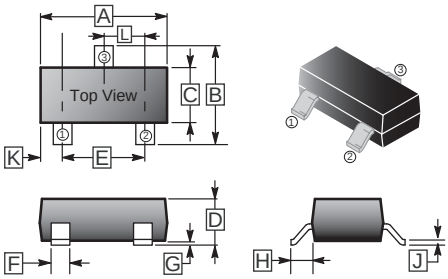
PNP Silicon Plastic Encapsulated Transistor

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- High Breakdown Voltage. (BV_{CEO} = -120V)
- Complementary of the 2SC4102

SOT-323



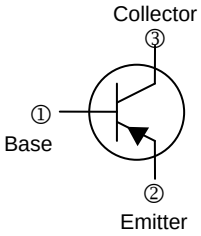
REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.80	2.20	G	0.100 REF.	
B	1.80	2.45	H	0.525 REF.	
C	1.15	1.35	J	0.08	0.25
D	0.80	1.10	K	-	-
E	1.20	1.40	L	0.650 TYP.	
F	0.20	0.40			

CLASSIFICATION OF h_{FE}

Product-Rank	2SA1579-R	2SA1579-S
Range	180~390	270~560
Marking	RR	RS

PACKAGE INFORMATION

Package	MPQ	LeaderSize
SOT-323	3K	7' inch



ABSOLUTE MAXIMUM RATINGS (T_A = 25°C unless otherwise noted)

Parameter	Symbol	Ratings	Unit
Collector to Base Voltage	V_{CBO}	-120	V
Collector to Emitter Voltage	V_{CEO}	-120	V
Emitter to Base Voltage	V_{EBO}	-5	V
Collector Current - Continuous	I_C	-50	mA
Collector Power Dissipation	P_C	100	mW
Junction and Storage Temperature	T_J, T_{STG}	150, -55~150	°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector to Base Breakdown Voltage	$V_{(BR)CBO}$	-120	-	-	V	I_C= -50μA, I_E=0
Collector to Emitter Breakdown	$V_{(BR)CEO}$	-120	-	-	V	I_C= -1mA, I_B=0
Emitter to Base Breakdown Voltage	$V_{(BR)EBO}$	-5	-	-	V	I_E= -50μA, I_C=0
Collector Cut - off Current	I_{CBO}	-	-	-0.5	μA	V_{CB}= -100V, I_E=0
Emitter Cut - off Current	I_{EBO}	-	-	-0.5	μA	V_{EB}= -4V, I_C=0
DC Current Gain	h_{FE}	180	-	560		V_{CE}= -6V, I_C= -2mA
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	-	-	-0.5	V	I_C= -10mA, I_B= -1mA
Transition Frequency	f_T	-	140	-	MHz	V_{CE}= -12V, I_C= -2mA, f= 30MHz
Collector Output Capacitance	C_{ob}	-	3.2	-	pF	V_{CB}= -12V, I_E=0, f=1MHz

Elektronische Bauelemente

2SA1579

-0.05A , -120V

PNP Silicon Plastic Encapsulated Transistor

CHARACTERISTIC CURVE

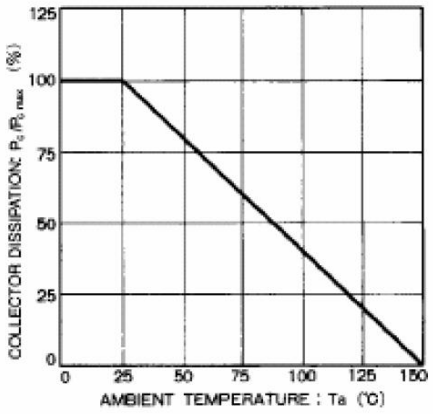


Figure 1

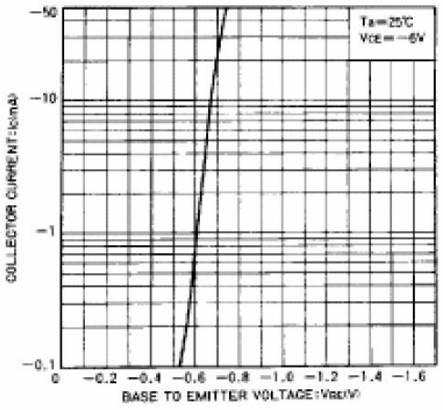


Figure 2

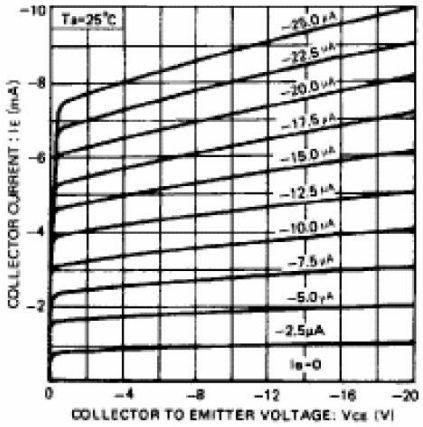


Figure 3

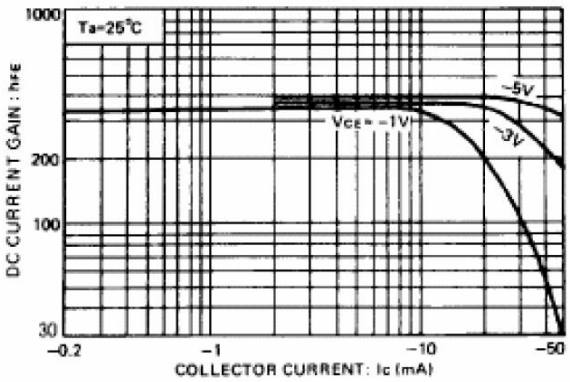


Figure 4

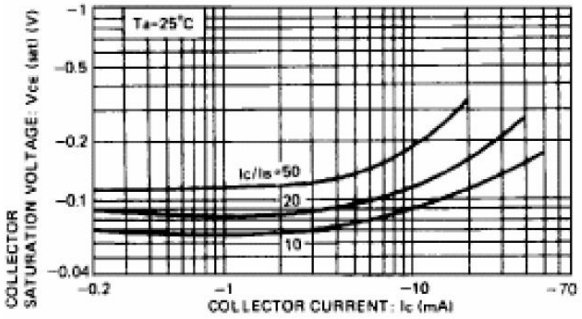


Figure 5

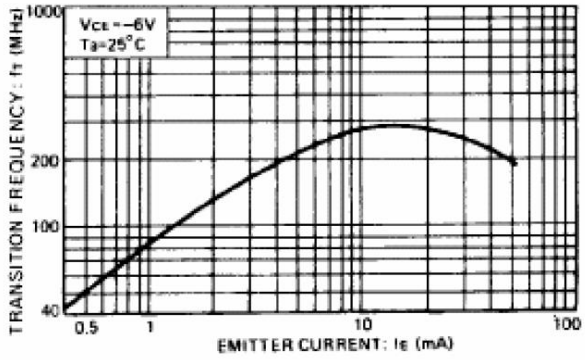


Figure 6

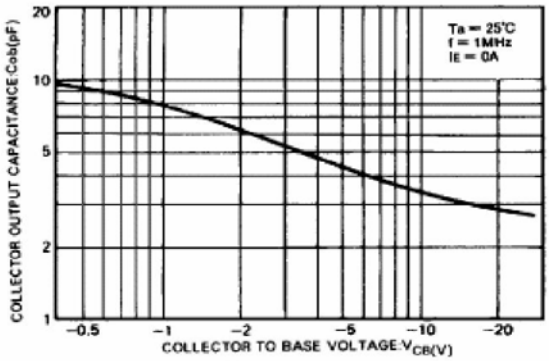


Figure 7

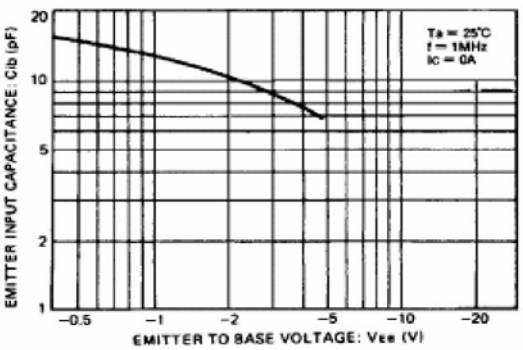


Figure 8