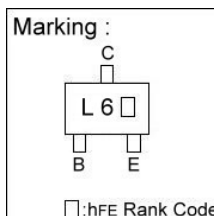
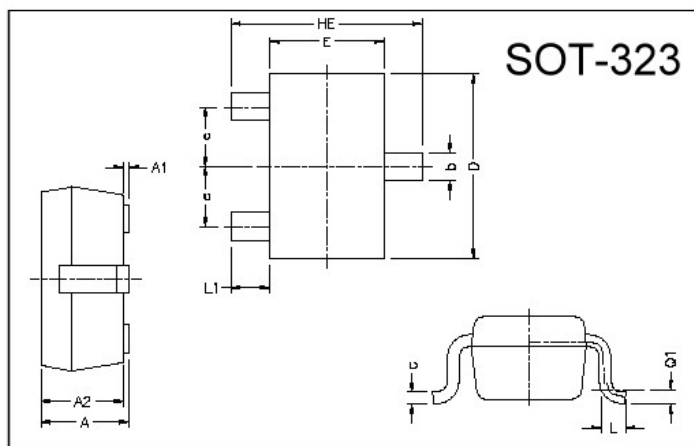


DESCRIPTION

The 2SC1623F is designed for use driver stage of AF amplifier and general purpose application.

PACKAGE DIMENSIONS



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.80	1.10	L1	0.42	REF.
A1	0	0.10	L	0.15	0.35
A2	0.80	1.00	b	0.25	0.40
D	1.80	2.20	c	0.10	0.25
E	1.15	1.35	e	0.65	REF.
HE	1.80	2.40	Q1	0.15	BSC.

ABSOLUTE MAXIMUM RATINGS at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	5	V
Collector Current	I_C	150	mA
Total Power Dissipation	P_d	250	mW
Junction, Storage Temperature	T_J, T_{STG}	+150, -55 ~ +150	°C

CHARACTERISTICS at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVC_{BO}	60	-	-	V	$I_C=100\mu A$
BV_{CEO}	50	-	-	V	$I_C=1mA$
BVE_{BO}	5	-	-	V	$I_E=10\mu A$
IC_{BO}	-	-	100	nA	$V_{CB}=60V$
IE_{BO}	-	-	100	nA	$V_{EB}=5V$
* $V_{CE(sat)}$	-	-	250	mV	$I_C=100mA, I_B=10mA$
* $V_{BE(sat)1}$	-	-	1.0	V	$I_C=100mA, I_B=10mA$
* h_{FE1}	90	-	600		$V_{CE}=6V, I_C=1mA$
* h_{FE2}	25	-	-		$V_{CE}=6V, I_C=150mA$
* h_{FE3}	80	-	-		$V_{CE}=1V, I_C=10mA$
f_T	80	-	-	MHz	$V_{CE}=10V, I_C=1mA, f=100MHz$
C_{ob}	-	-	3.5	pF	$V_{CB}=10V, f=1MHz, I_E=0A$

* Pulse Test: Pulse Width $\leq 380\mu s$, Duty Cycle $\leq 2\%$

CLASSIFICATION OF h_{FE1}

Rank	P	Y	G	B
Range	90 - 180	135 - 270	200 - 400	300 - 600

CHARACTERISTIC CURVES

