

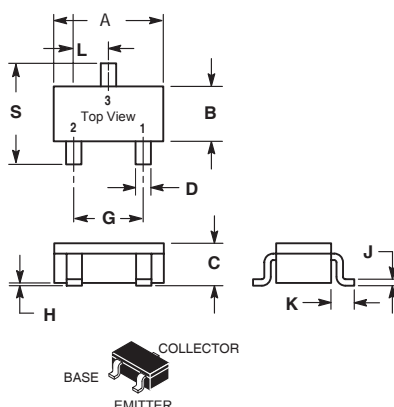
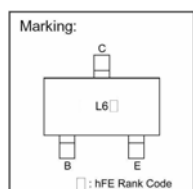
RoHS Compliant Product

A suffix of "-C" specifies halogen and lead free

DESCRIPTION

The 2SC1623 is designed for use driver stage of AF amplifier and general purpose application.

PACKAGE DIMENSIONS



SC-59		
Dim	Min	Max
A	2.70	3.10
B	1.30	1.70
C	1.00	1.30
D	0.35	0.50
G	1.90 REF.	
H	0.00	0.10
J	0.10	0.26
K	0.20	0.60
L	1.25	1.65
S	2.25	3.00
All Dimension in mm		

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
BVCBO	60	-	-	V	$I_C=100\mu A$
BVCEO	50	-	-	V	$I_C=1mA$
BVEBO	5	-	-	V	$I_E=10\mu A$
ICBO	-	-	100	nA	$V_{CB}=60V$
IEBO	-	-	100	nA	$V_{EB}=5V$
*VCE(sat)	-	-	250	mV	$I_C=100mA, I_B=10mA$
*VBE(sat)1	-	-	1.0	V	$I_C=100mA, I_B=10mA$
*hFE1	90	-	600		$V_{CE}=6V, I_C=1mA$
*hFE2	25	-	-		$V_{CE}=6V, I_C=150mA$
*hFE3	80	-	-		$V_{CE}=1V, I_C=10mA$
fT	80	-	-	MHz	$V_{CE}=10V, I_C=1mA, f=100MHz$
Cob	-	-	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 hFE1

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

CHARACTERISTIC CURVES

