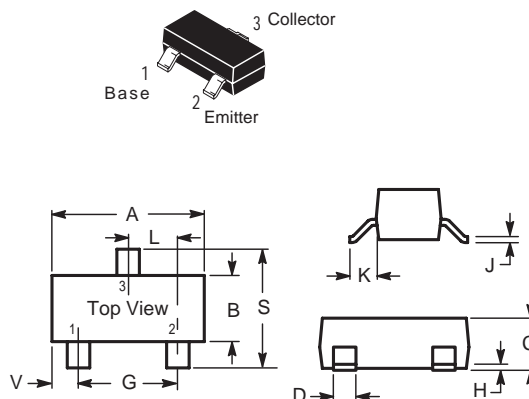


RoHS Compliant Product
A suffix of "-C" specifies halogen and lead free

FEATURES

- Complementary to 2SC1623K
- High DC Current Gain: $h_{FE} = 200$ TYP. ($V_{CE} = -6V, I_C = -1mA$)
- High Voltage: $V_{CEO} = -50V$

PACKAGE DIMENSIONS



SOT-23		
Dim	Min	Max
A	2.800	3.040
B	1.200	1.400
C	0.890	1.110
D	0.370	0.500
G	1.780	2.040
H	0.013	0.100
J	0.085	0.177
K	0.450	0.600
L	0.890	1.020
S	2.100	2.500
V	0.450	0.600
All Dimension in mm		

ABSOLUTE MAXIMUM

RATINGS at $T_a = 25^\circ C$

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	-100	mA
Total Power Dissipation	P_c	200	mW
Junction, Storage Temperature	T_J, T_{STG}	+150, -55 ~ +150	$^\circ C$

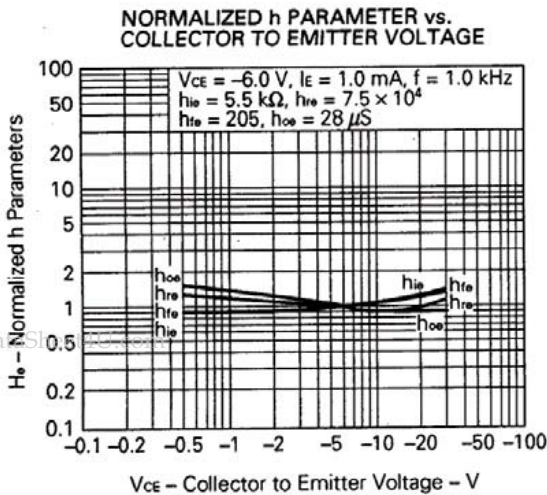
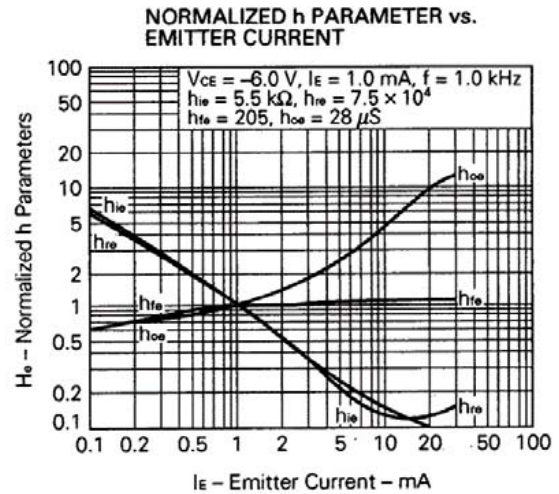
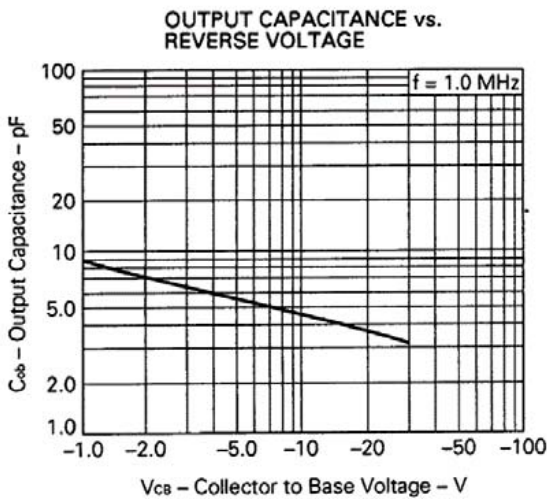
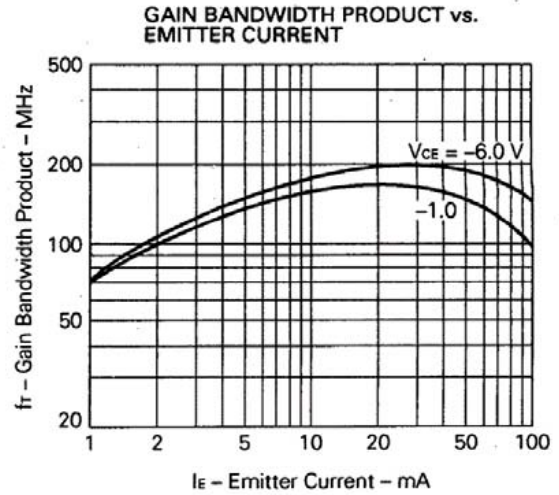
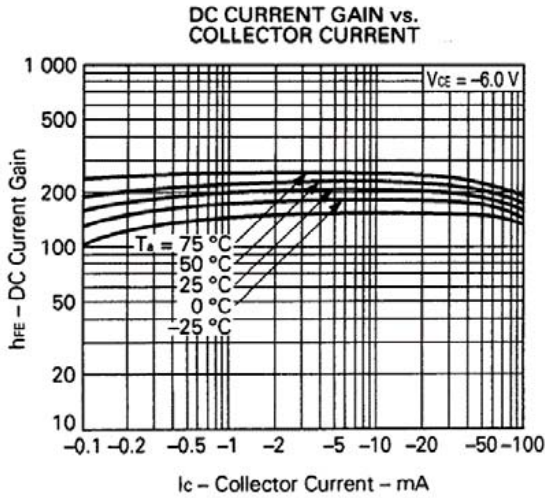
CHARACTERISTICS at $T_a = 25^\circ C$

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-60	-	-	V	$I_C = -100\mu A$
BVCEO	-50	-	-	V	$I_C = -1mA$
BVEBO	-5	-	-	V	$I_E = -100\mu A$
I_{CBO}	-	-	-100	nA	$V_{CB} = -60V$
I_{EBO}	-	-	-100	nA	$V_{EB} = -5V$
* $V_{CE(sat)}$	-	-	300	mV	$I_C = 100mA, I_B = 10mA$
V_{BE}	-0.58	-	-0.68	V	$I_C = -1mA, V_{CE} = -6V$
h_{FE}	90	-	600		$V_{CE} = -6V, I_C = -1mA$
f_T	-	180	-	MHz	$V_{CE} = -6V, I_C = -10mA$
C_{ob}	-	4.5	-	pF	$V_{CB} = -10V, f = 1 MHz$

CLASSIFICATION OF h_{FE}

Rank	P	Y	G	B
Range	90 - 180	135 - 270	200 - 400	300 - 600
Marking	M4	M5	M6	M7

CHARACTERISTIC CURVES



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