2SC1623

NPN Transistor

Features

Epoxy meets UL-94 V-0 flammability rating
Moisture Sensitivity Level 1

Surface mount package ideally Suited for Automatic Insertion
NPN

Mechanical Data

Package: SOT-23
Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
Marking:

[redacted]

			Conditions	Value
			=100	60
Collector-Emitter Voltage	V_{CEO}	V	IC =1mA,IB=0	50
Emitter-Base Voltage	V_{EBO}	V	IE=100	5
Collector Current	I_C	A		0.1
Collector Power Dissipation	P_C	mW		200

Junction Temperature

[redacted]

CLASSIFICATION OF HFE

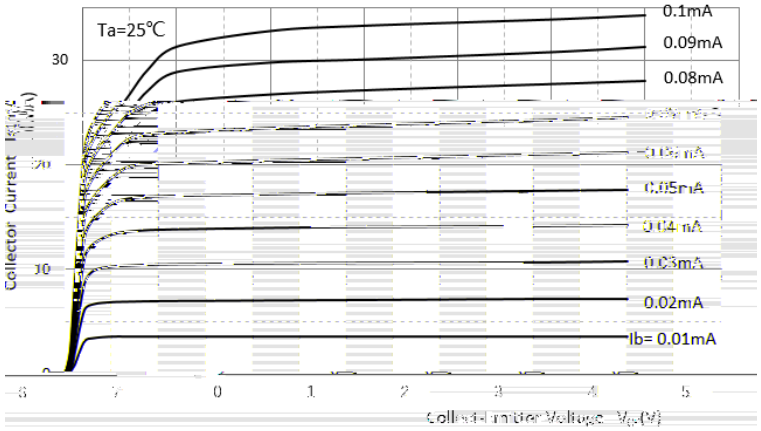
Rank	L5	L6	L7
Range	135-270	200-400	300-600

Ordering Information (Example)

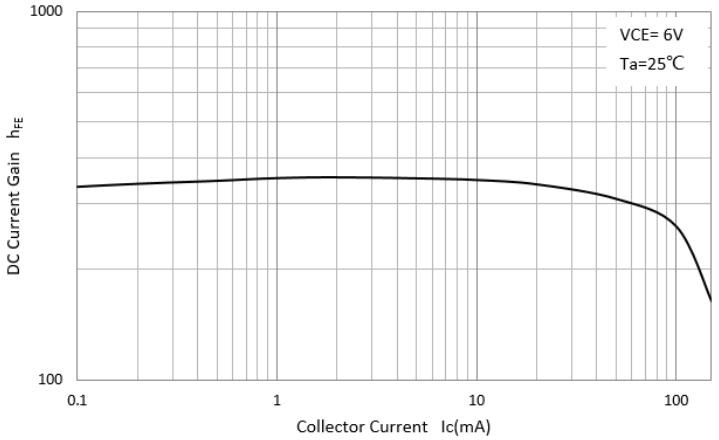
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
2SC1623	F2	Approximate 0.008	3000	30000	120000	7

Characteristics(Typical)

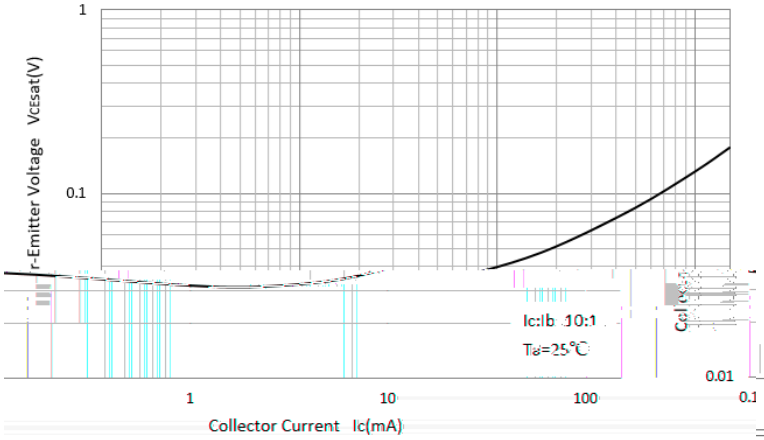
Static Characteristic



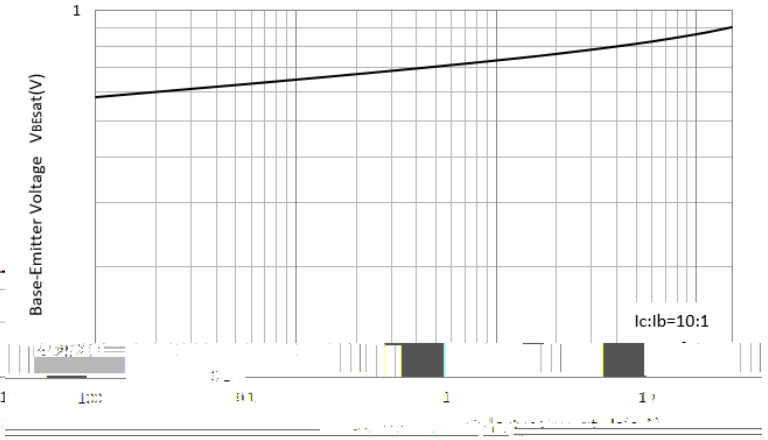
DC Current Gain



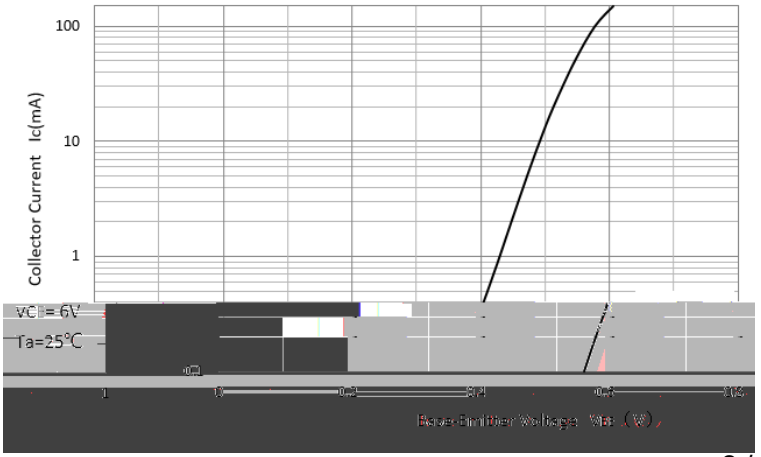
Collector-Emitter Saturation Voltage



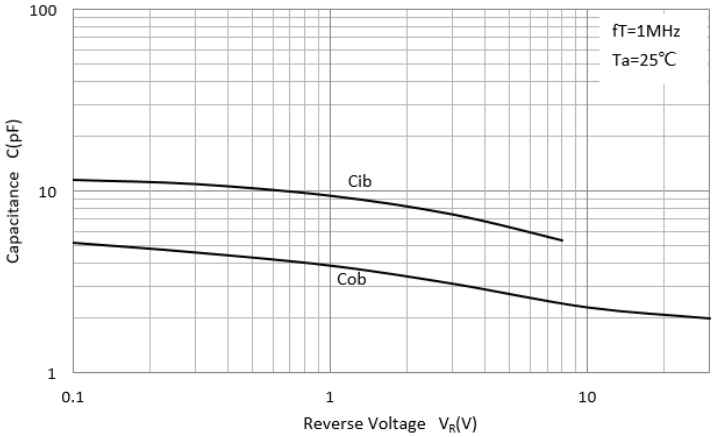
Base-Emitter Saturation Voltage



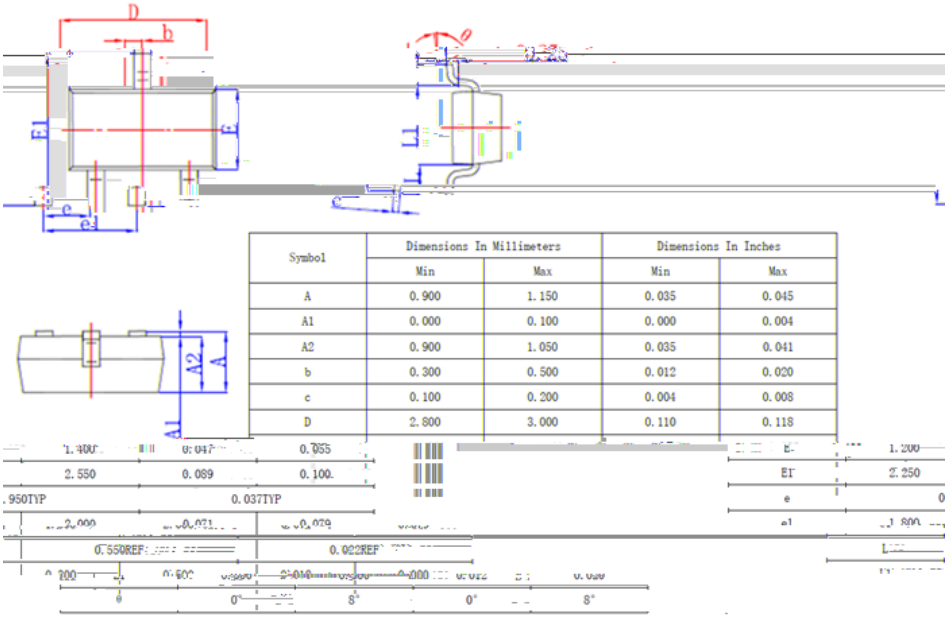
Base-Emitter On Voltage



Cob/Cib-V_{CB}/V_{EB}

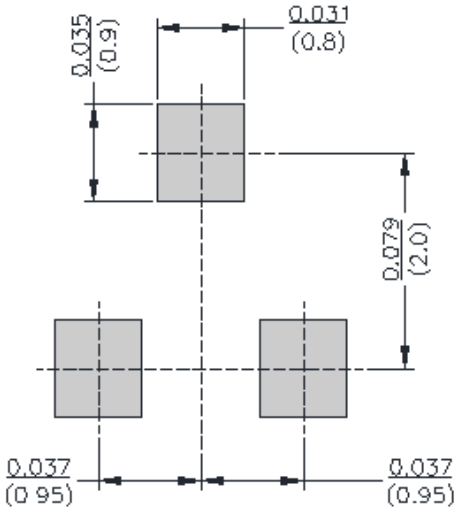


SOT-23 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.100	0.200	0.004	0.008
D	2.800	3.000	0.110	0.118

SOT-23 Soldering Footprin



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