



Micro Commercial Components
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**2SC4617-Q
 2SC4617-R
 2SC4617-S**

Features

- Halogen free available upon request by adding suffix "-HF"
- Complement to 2SA1774-Q/R/S
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings @ 25°C Unless Otherwise Specified

Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	50	V
V _{CBO}	Collector-Base Voltage	50	V
V _{EBO}	Emitter-Base Voltage	5	V
I _C	Collector Current-Continuous	150	mA
P _C	Collector Dissipation	150	mW
T _J	Operating Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

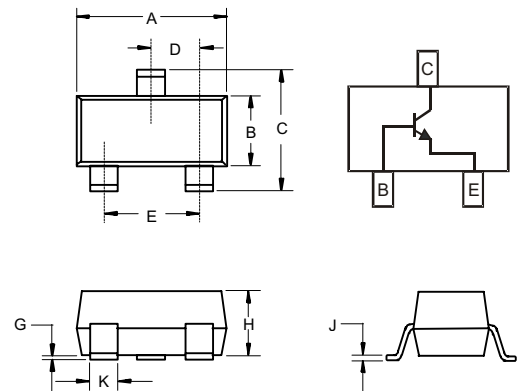
Symbol	Parameter	Min	Typ	Max	Units
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =1mA _{dc} , I _E =0)	50	---	---	V _{dc}
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =50μA _{dc} , I _E =0)	50	---	---	V _{dc}
V _{(BR)EBO}	Collector-Emitter Breakdown Voltage (I _E =50μA _{dc} , I _C =0)	5	---	---	V _{dc}
I _{CBO}	Collector Cutoff Current (V _{CB} =30V _{dc} , I _E =0V _{dc})	---	---	0.5	μA _{dc}
I _{EBO}	Emitter Cutoff Current (V _{EB} =4V _{dc} , I _C =0V _{dc})	---	---	0.5	μA _{dc}
h _{FE}	DC Current Gain (I _C =1mA _{dc} , V _{CE} =6V _{dc})	120	---	560	---
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =50mA _{dc} , I _E =5mA _{dc})	---	---	0.4	V _{dc}
f _T	Transition Frequency (V _{CE} =12V _{dc} , I _C =2mA _{dc} , f=100MHz)	---	180	---	MHz
C _{ob}	Output Capacitance (V _{CB} =12V _{dc} , f=1.0MHz, I _E =0)	---	2.0	3.5	pF

Classification OF h_{FE}

Rank	Q	R	S
Range	120-270	180-390	270-560
Marking	BQ	BR	BS

**NPN
 General Purpose
 Transistors**

SOT-523

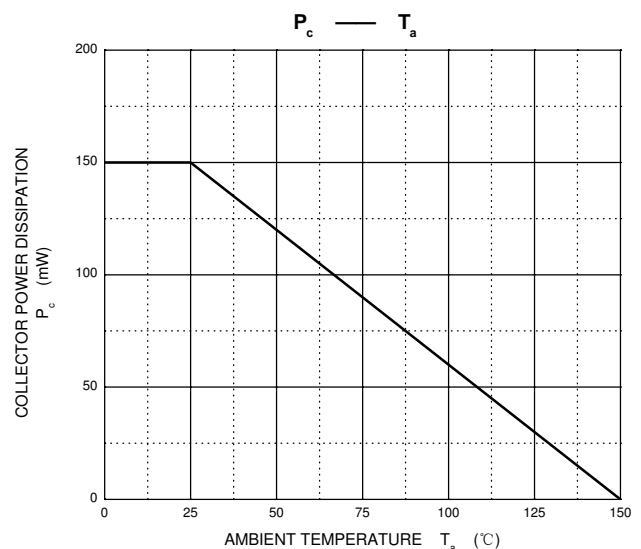
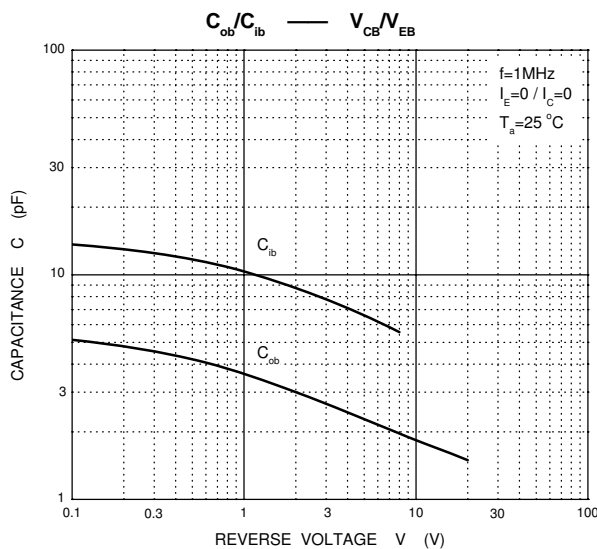
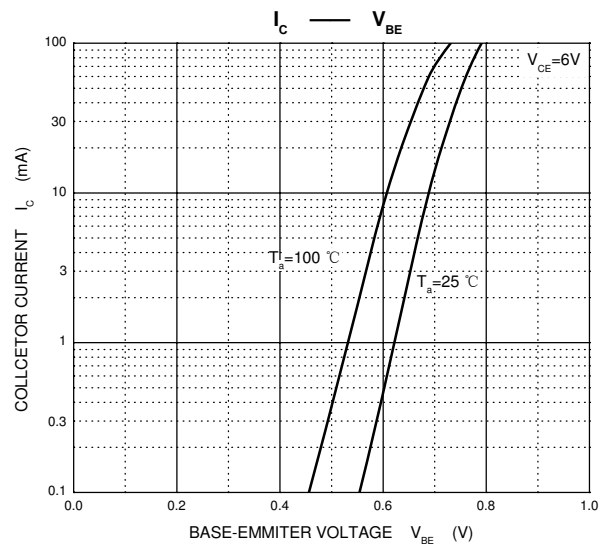
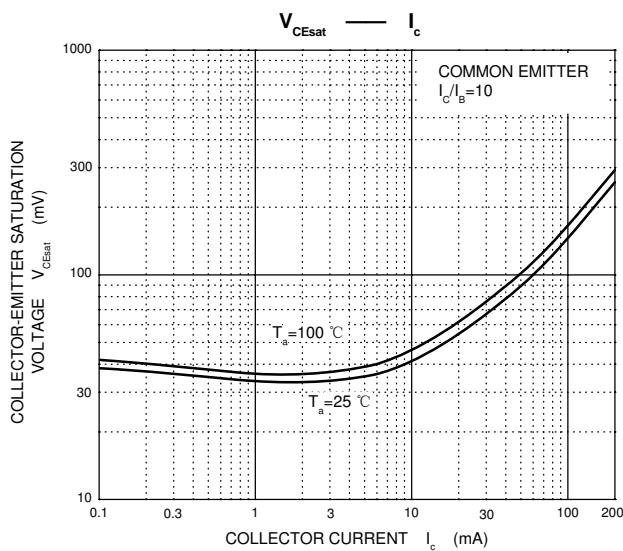
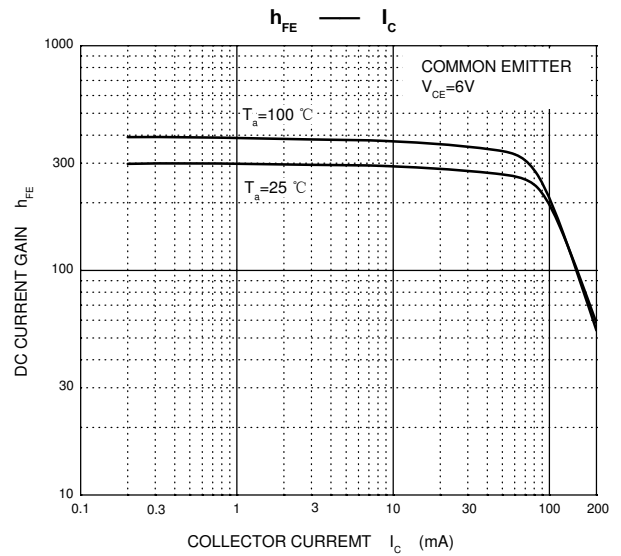
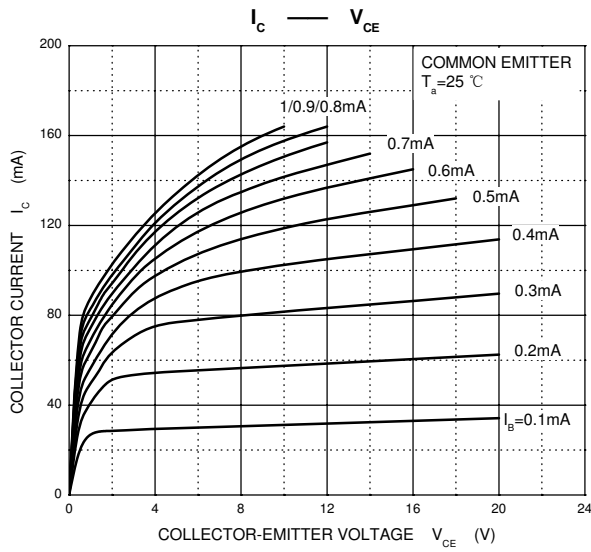


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.030	.033	0.75	0.85	
C	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
E	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
H	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
K	.010	.014	.25	.35	

2SC4617



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Ordering Information :

Device	Packing
Part Number-TP	Tape & Reel; 3 Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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