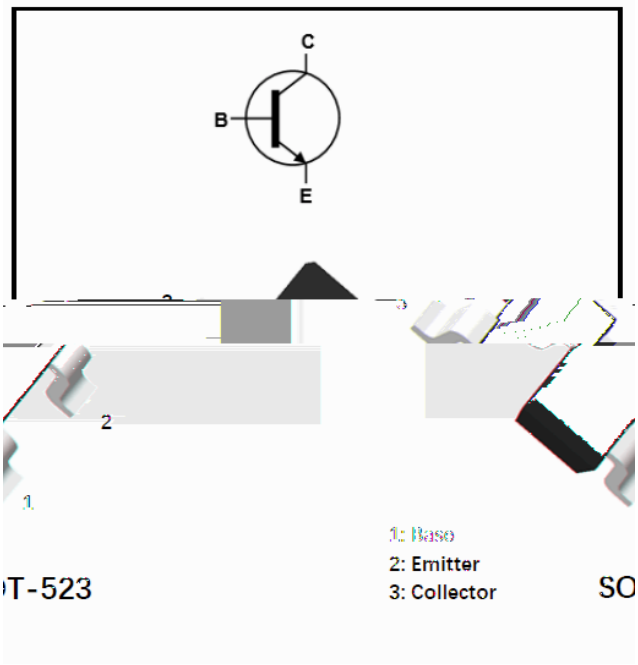
RoHS
COMPLIANT



- : SOT-523
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
-

2SC4617-Q BQ
2SC4617-R BR
2SC4617-S BS

■ (Ta=25 Unless otherwise specified

Collector-Emitter Voltage	V_{CEO}	V	I_C=1.0mAdc, I_B=0	50
Collector-Base Voltage	V_{CBO}	V	I_C=50uAdc, I_E=0	50
Emitter-Base Voltage	V_{EBO}	V	I_E=50uAdc, I_C=0	5
Collector Current	I_C	mA		150
Collector Power Dissipation	P_C	mW		150
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	/W		833
Operation Junction Temperature	T_J			-55 to +150
Storage Temperature	T_{STG}			-55 to +150

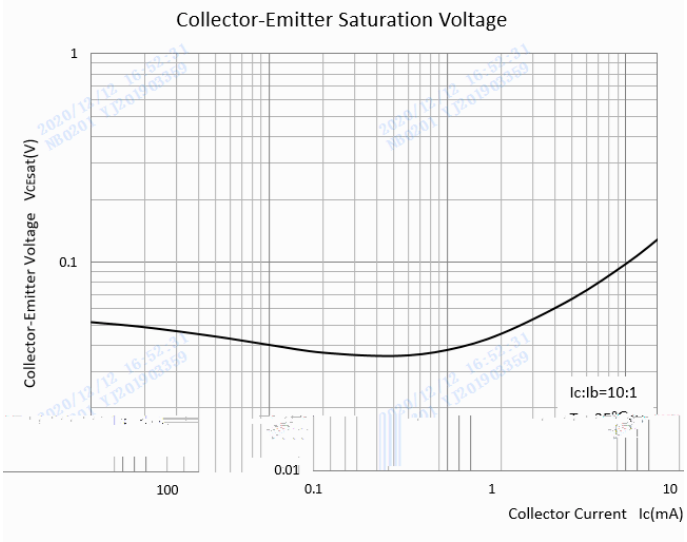
Insertion
● Epoxy meets UL-94 V

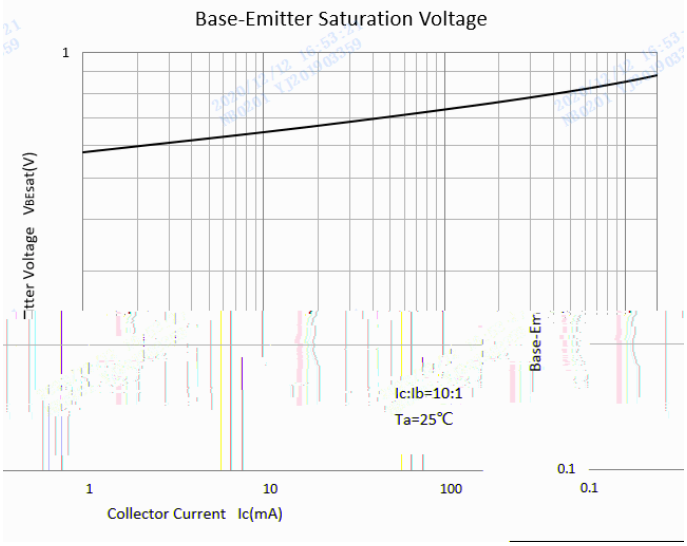
■ (Ta=25 unless otherwise specified)

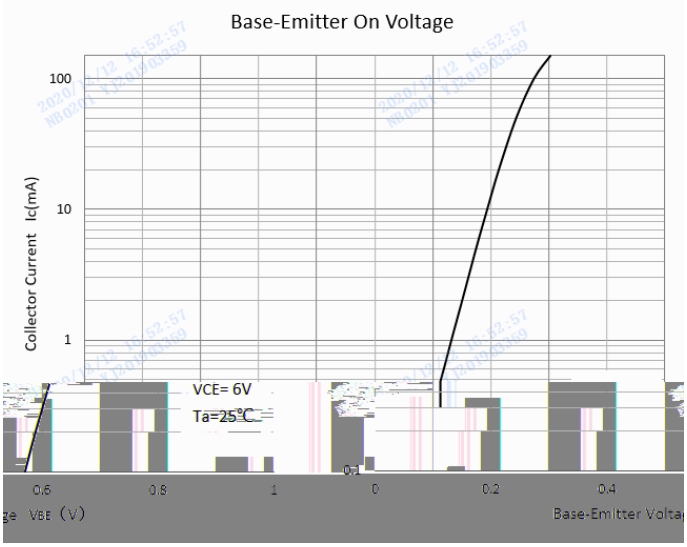
ṅ e ɨ						
Collector-Emitter Voltage	V_{CEO}	V	I_C=1.0mAdc, I_B=0	50	-	--
Collector-Base Voltage	V_{CBO}	V	I_C=50uAdc, I_E=0	50	-	-
Emitter-Base Voltage	V_{EBO}	V	I_E=50uAdc, I_C=0	5	-	-
Collector-base Cut-off Current	I_{CBO}	uA	V_{CB}=30Vdc	-	-	0.5
Emitter-base cut-off current	I_{EBO}	uA	V_{EB}=4Vdc	-	-	0.5
DC Current Gain	h_{FE}		I_C=1mAdc, V_{CE}=6Vdc	120	-	560
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	V	I_C=50mAdc, I_B=5mAdc	-	-	0.4
Collector-base Output Capacitance	Cobo	pF	V_{CB}=12Vdc, f=1.0MHz IE=0	-	-	3.5
Transition frequency	f_T	MHz	I_C=2mA, V_{CE}=12V, f=100MHz	-	180	-

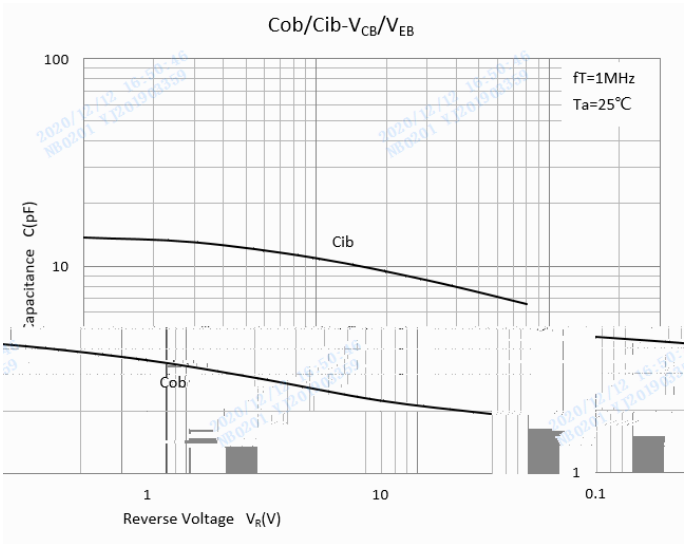
■

[redacted]	Q	R	S

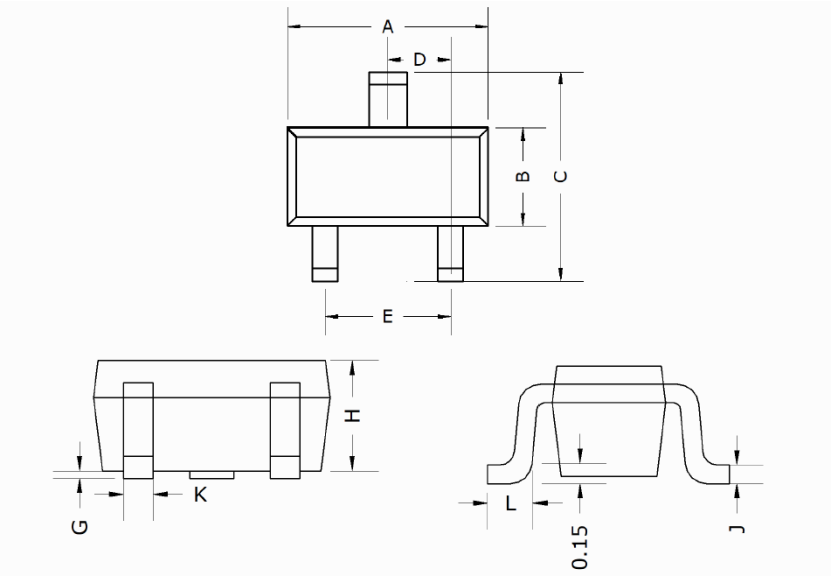

Collector-Emitter Saturation Voltage
Collector-Emitter Voltage VCEsat(V)
1
0.1
0.01
Ic:Ib=10:1
100
0.1
1
10
Collector Current Ic(mA)


Base-Emitter Saturation Voltage
VBEsat(V)
1
Ic:Ib=10:1
Ta=25℃
1
10
100
0.1
0.1
Collector Current Ic(mA)


Base-Emitter On Voltage
Collector Current Ic(mA)
100
10
1
VCE= 6V
Ta=25℃
0.6
0.8
1
0
0.2
0.4
VBE（V）
Base-Emitter Volta

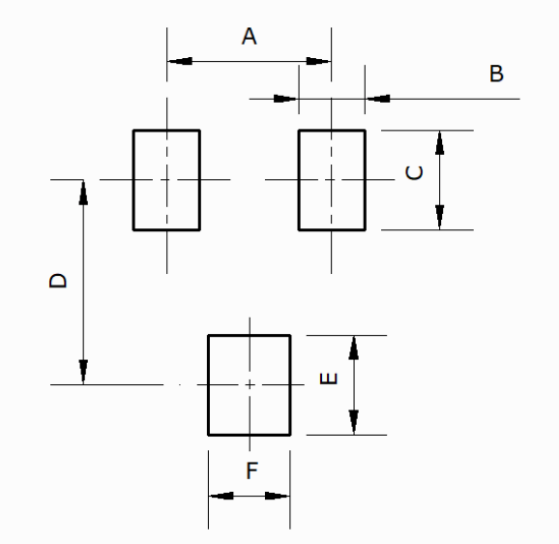

Cob/Cib-VCB/VEB
100
10
fT=1MHz
Ta=25℃
Cib
Cob
1
10
0.1
Reverse Voltage VR(V)

■

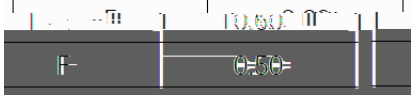


DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.50	1.70
B	0.030	0.033	0.75	0.85
C	0.057	0.069	1.45	1.75
D	0.020TYP		0.50TYP	
E	0.035	0.043	0.90	1.10
G	0.000	0.004	0.00	0.10
H	0.024	0.031	0.60	0.80
J	0.004	0.008	0.10	0.20
K	0.006	0.014	0.15	0.35
L	0.010	0.018	0.26	0.46

■



DIMENSIONS	
DIM	MM (TYP)
A	1.00
B	0.40
C	0.60
D	1.24



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