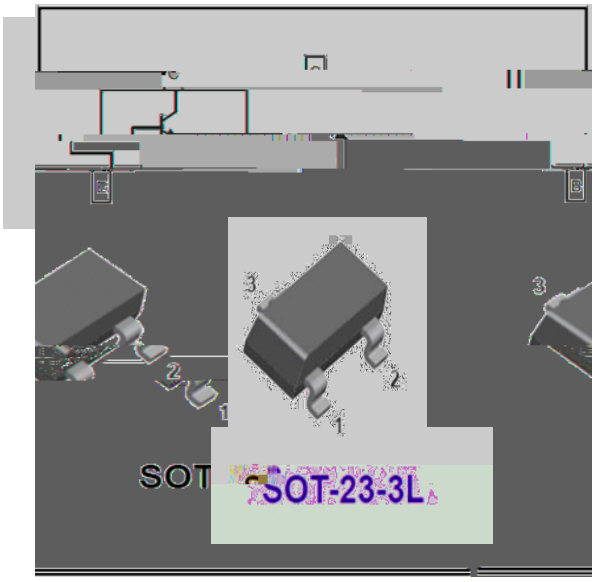
RoHS
COMPLIANT



- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix ”HF”
- Moisture Sensitivity Level 1
- Surface mount package ideally Suited for Automatic Insertion
- NPN

- : SOT-23-3L
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- :

2SC2412K-Q	BQ
2SC2412K-R	BR
2SC2412K-S	BS

■ (Ta=25 unless otherwise noted)

Collector-Base Voltage	V_{CBO}	V	IC=50μA,IE=0	60
Collector-Emitter Voltage	V_{CEO}	V	IC =1mA,IB=0	50
Emitter-Base Voltage	V_{EBO}	V	IE=50μA,IC=0	7
Collector Current	I_C	A		0.15
Collector Power Dissipation	P_C	mW		200
Operation Junction Temperature	T_j			150
Storage Temperature	T_{stg}			-55 to +150

■ (Ta=25 unless otherwise noted)

Collector-base breakdown voltage	V_{CBO}	V	IC=50μA,IE=0	60		
Collector-emitter breakdown voltage	V_{CEO}	V	IC =1mA,IB=0	50		
Emitter-base breakdown voltage	V_{EBO}	V	IE=50μA,IC=0	7		
Collector-base cut-off current	I_{CBO}	uA	V_{CB}=60 V ,IE=0			0.1
Emitter-base cut-off current	I_{EBO}	uA	V_{EB}=7 V , IC=0			0.1
DC current gain	h_{FE}		VCE=6V,IC=1mA	120		560
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	IC=50mA,IB=5mA			0.4
Transition frequency	f_T	MHz	VCE= 12V, IC=2mA,f=100MHz		160	
Collector-base output capacitance	Cob	pF	V_{CB}=12V ,IE=0, f=1MHz		2.0	3.5

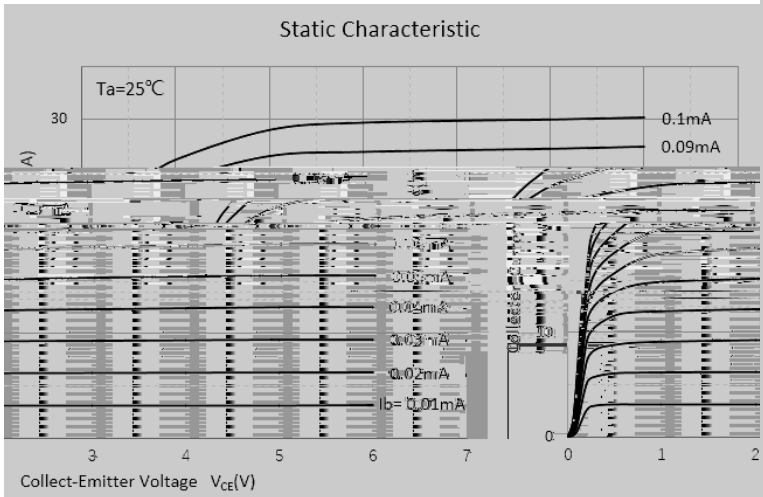
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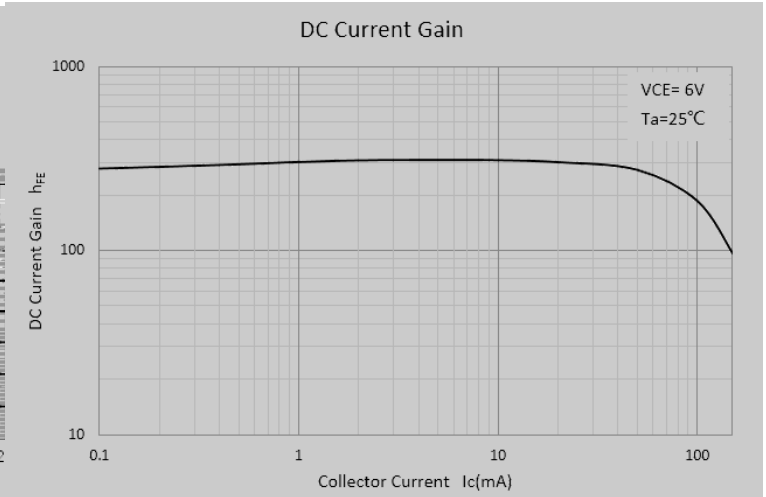
	Q	R	S
	120-270	180-390	270-560

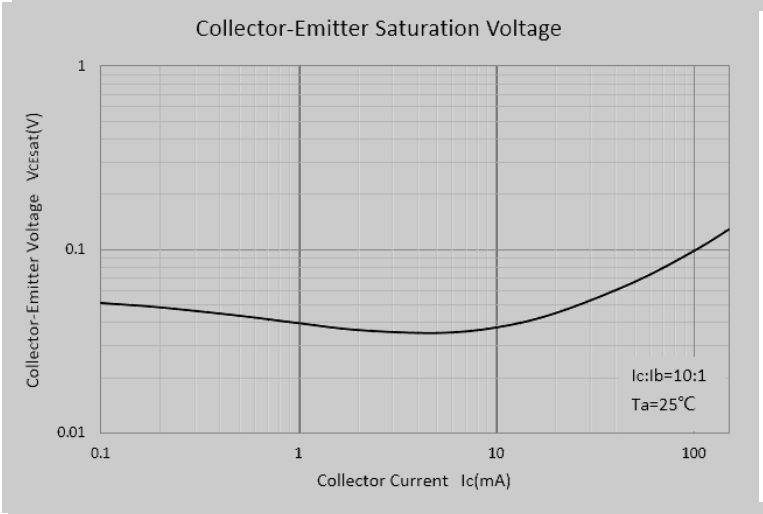
■ (Example)

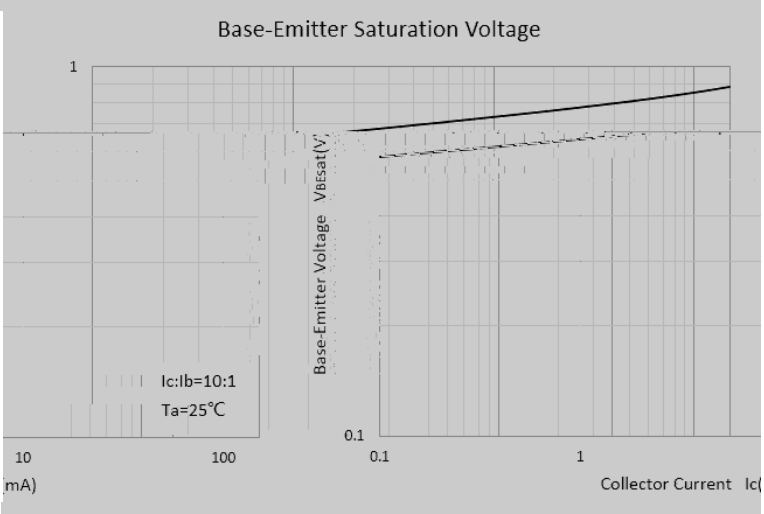
2SC2412K	F2	Approximate 0.014	3000	30000	120000	7” reel

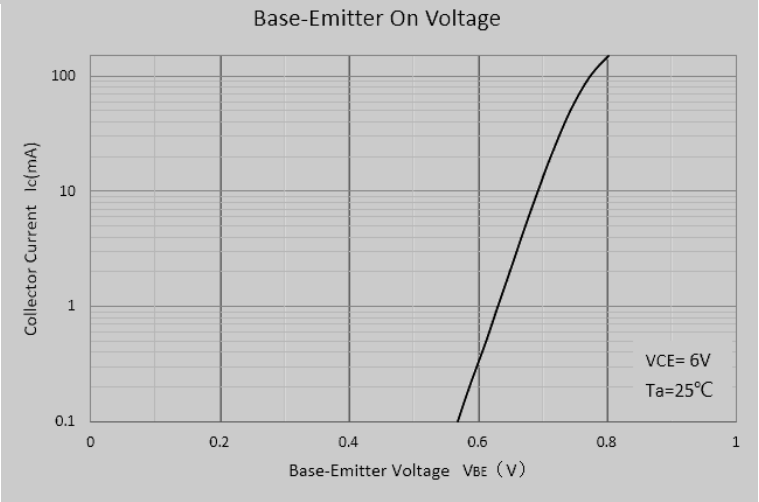
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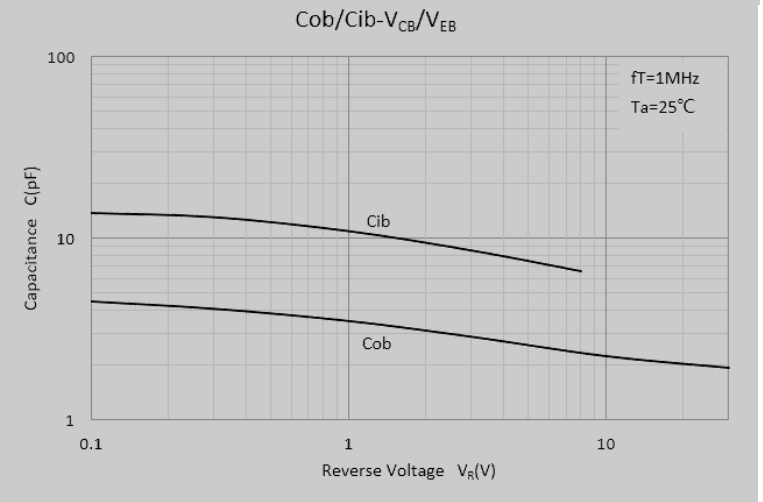




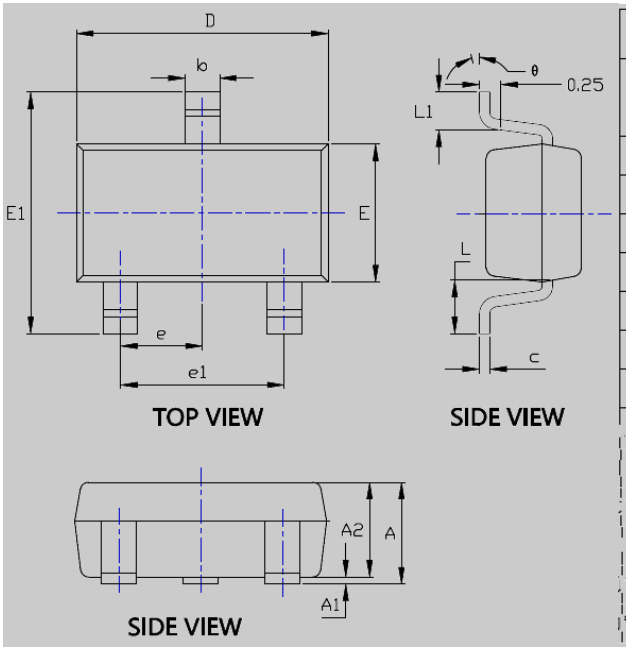




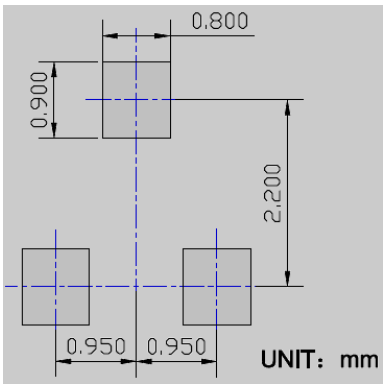




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DIMENSIONS				
SYMBOL	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A	0.041	0.049	1.050	1.250
A1	0.000	0.008	0.000	0.200
A2	0.041	0.045	1.050	1.150
b	0.012	0.020	0.300	0.500
c	0.004	0.008	0.100	0.200
D	0.111	0.119	2.820	3.020
E	0.059	0.067	1.500	1.700



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