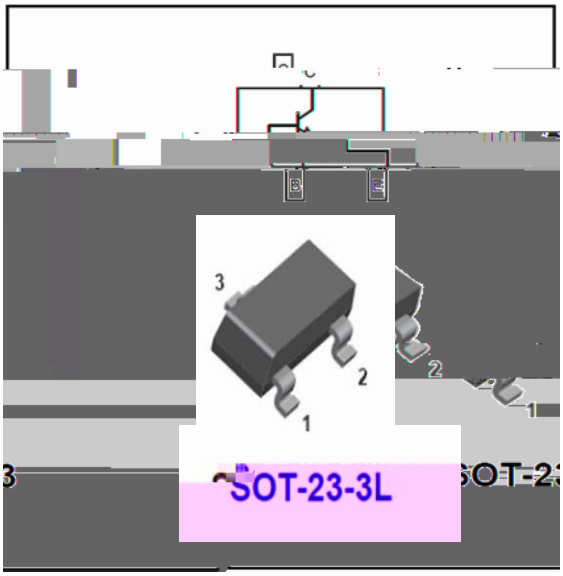
RoHS
COMPLIANT



- 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
- :

2SC3052K-E	LE
2SC3052K-F	LF
2SC3052K-G	LG

■ (Ta=25 unless otherwise noted)

Collector-Base Voltage	V_{CBO}	V	IC=100μA,IE=0	50
Collector-Emitter Voltage	V_{CEO}	V	IC =100uA,IB=0	50
Emitter-Base Voltage	V_{EBO}	V	IE=100μA,IC=0	6
Collector Current	I_C	A		0.2
Collector Power Dissipation	P_C	mW		150
Operation Junction Temperature	T_j			150
Storage Temperature	T_{stg}			-55 to +150

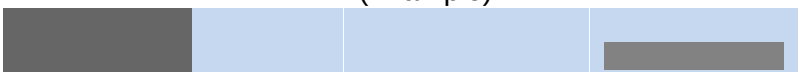
■ (Ta=25 unless otherwise noted)

Collector-base breakdown voltage	V_{CBO}	V	IC=100μA,IE=0	50		
Collector-emitter breakdown voltage	V_{CEO}	V	IC =100uA,IB=0	50		
Emitter-base breakdown voltage	V_{EBO}	V	IE=100μA,IC=0	6		
Collector-base cut-off current	I_{CBO}	uA	V_{CB}=50 V ,IE=0			0.1
Emitter-base cut-off current	I_{EBO}	uA	V_{EB}=6 V , IC=0			0.1
DC current gain	$h_{FE}1$		VCE=6V,IC=1mA	150		800
	$h_{FE}2$		VCE=6V,IC=0.1mA	50		
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	IC=100mA,IB=10mA			0.3
Base-emitter saturation voltage	$V_{BE(sat)*}$	V	IC=100mA,IB=10mA			1
Transition frequency	f_T	MHz	VCE= 6V, IC=10mA		180	
Collector-base output capacitance	Cob	pF	V_{CB}=6V ,IE=0, f=1MHz			4

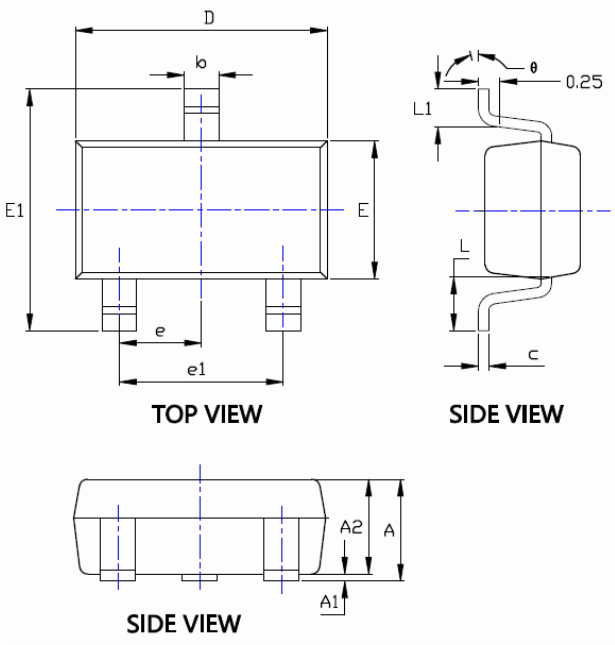
■

	E	F	G
	150-300	250-500	400-800

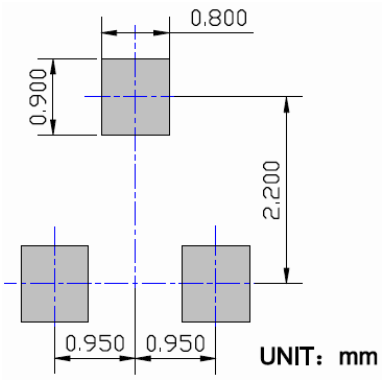
■ (Example)



■



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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