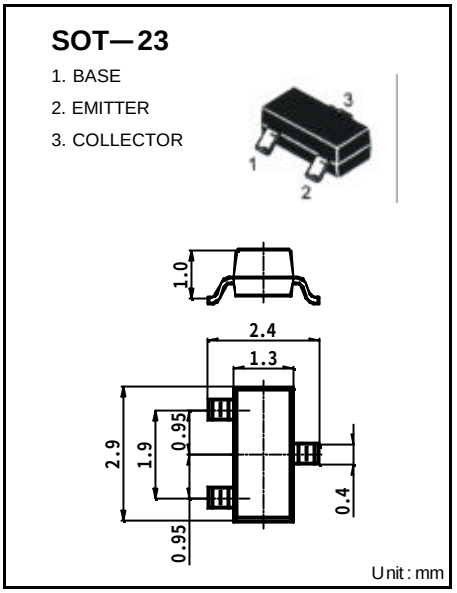
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOT-23 Plastic-Encapsulate Transistors

S9015LT1 TRANSISTOR (PNP)



FEATURES

Power dissipation

P_{CM} : 0.2 W (Tamb=25℃)

Collector current

I_{CM} : -0.1 A

Collector-base voltage

$V_{(BR)CBO}$: -50 V

Operating and storage junction temperature range

T_J, T_{stg}: -55℃ to +150

ELECTRICAL CHARACTERISTICS (Tamb=25℃ unless otherwise specified)

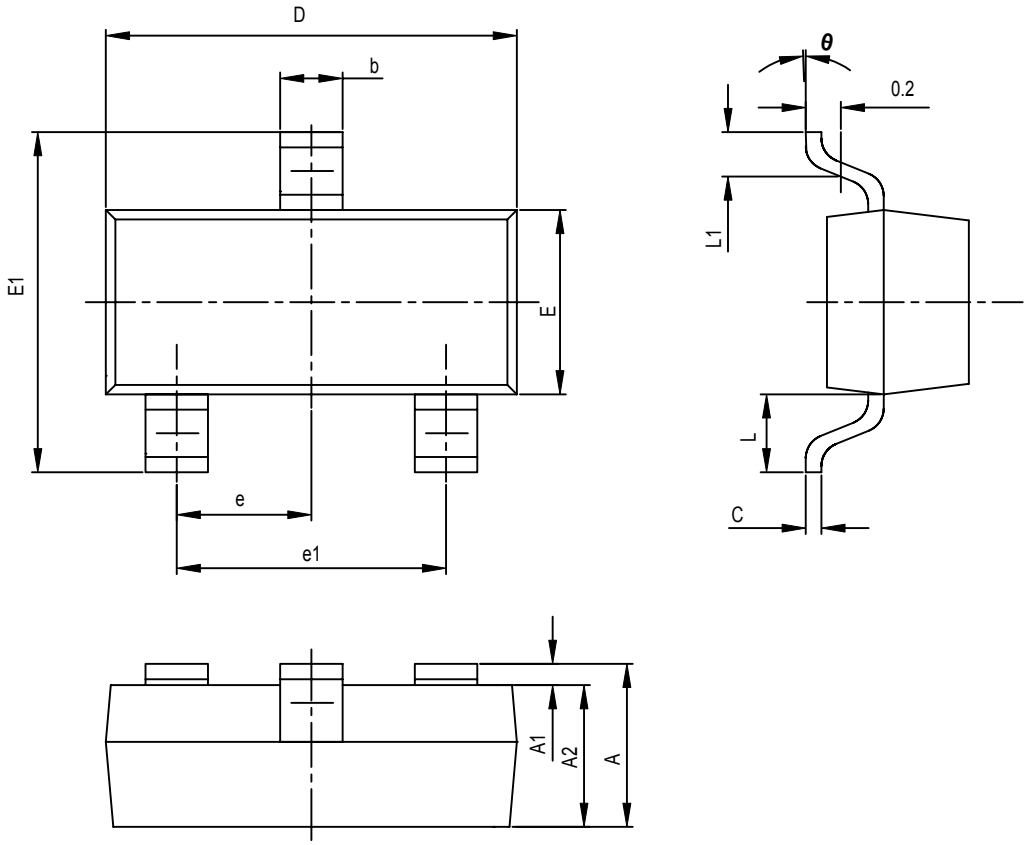
Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	Ic= -100μA, I_E=0	-50			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	Ic= -0.1mA, I_B=0	-45			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I_E=-100μA, I_C=0	-5			V
Collector cut-off current	I_{CBO}	V_{CB}=-50 V, I_E=0			-0.1	μA
Emitter cut-off current	I_{EBO}	V_{EB}= -5V, I_C=0			-0.1	μA
DC current gain	$H_{FE(1)}$	V_{CE}=-5V, I_C= -1mA	200		1000	
Collector-emitter saturation voltage	V_{CE}(sat)	I_C=-100 mA, I_B= -10mA			-0.3	V
Base-emitter saturation voltage	V_{BE}(sat)	I_C=-100 mA, I_B=-10mA			-1	V
Transition frequency	f_T	V_{CE}=-5V, Ic= -10mA f=30MHz	150			MHz

CLASSIFICATION OF $H_{FE(1)}$

Rank	L	H
Range	200-450	450-1000

DEVICE MARKING : S9015LT1=M6

SOT-23 PACKAGE OUTLINE DIMENSIONS



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950TPY		0.037TPY	
e1	1.800	2.000	0.071	0.079
L	0.550REF		0.022REF	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°