A733

● FEATURES

Power dissipation

P_{CM} : 0.2 W（Tamb=25℃）

Collector current
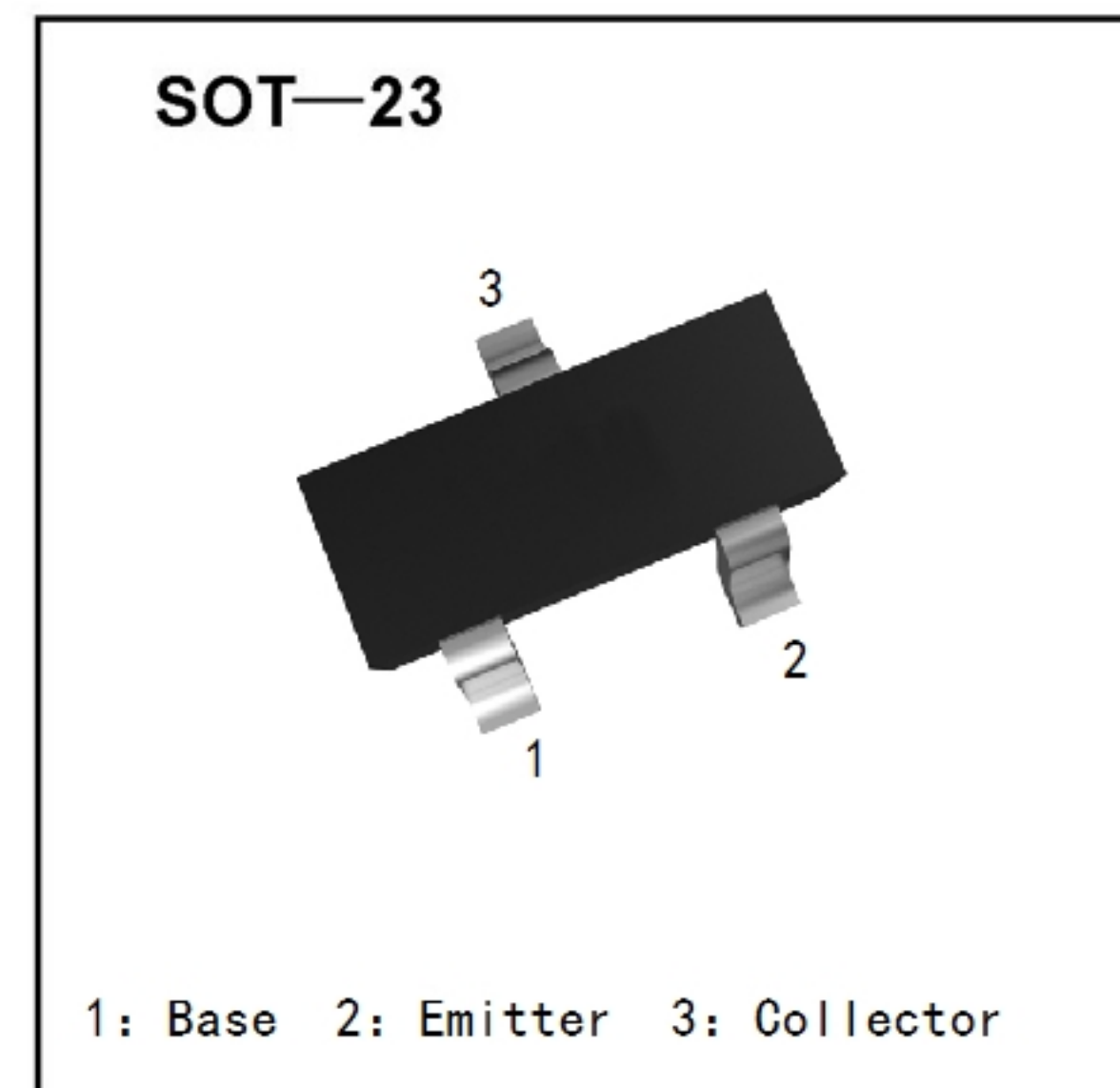
I_{CM} : -0.15 A

Collector-base voltage

$V_{(BR)CBO}$: -60 V

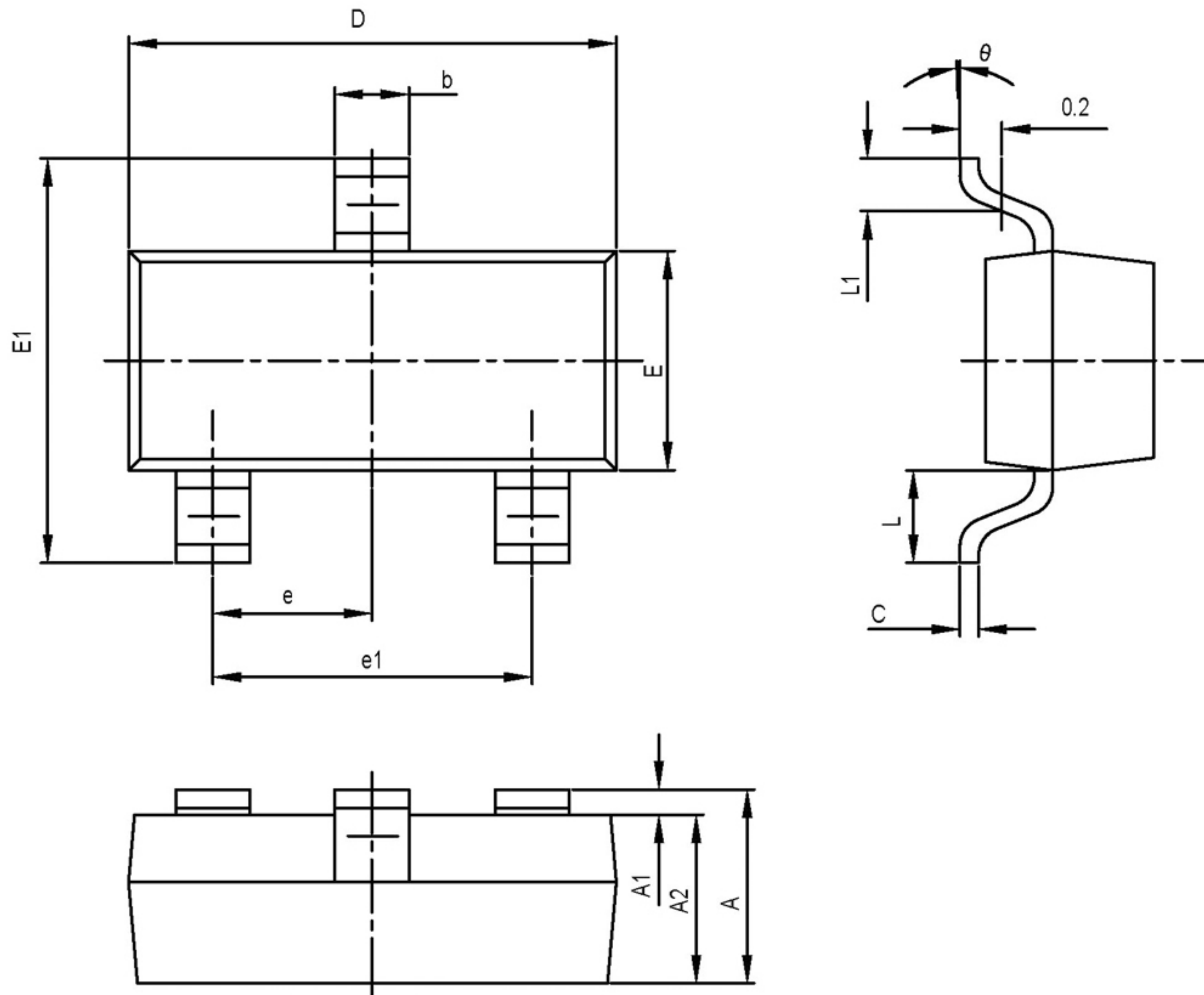Operating and storage junction temperature range

T_J，T_{stg}: -55℃ to +150℃

SOT—23

1: Base 2: Emitter 3: Collector

● ELECTRICAL CHARACTERISTICS（Tamb=25℃ unless otherwise specified）

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	$V(BR)_{CBO}$	I_C= -5 μA , I_E=0	-60			V
Collector-emitter breakdown voltage	$V(BR)_{CEO}$	I_C= -1 mA , I_B=0	-50			V
Emitter-base breakdown voltage	$V(BR)_{EBO}$	I_E= -50 μA, I_C=0	-5			V
Collector cut-off current	I_{CBO}	V_{CB}= -60 V , I_E=0			-0.1	μA
Emitter cut-off current	I_{EBO}	V_{EB}= -5 V , I_C=0			-0.1	μA
DC current gain	$H_{FE (1)}$	V_{CE}= -6 V, I_C= -1mA	120		475	
Collector-emitter saturation voltage	V_{CE}(sat)	I_C= -100mA, I_B=- 10mA		-0.18	-0.3	V
Transition frequency	f_T	V_{CE}= -6 V, I_C=-10mA f = 30MHz	50			MHz

● CLASSIFICATION OF $H_{FE(1)}$

Rank	L	H
Range	120-200	200-475
MARKING	CS	

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°

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