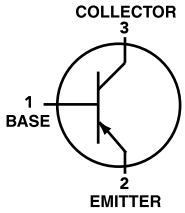
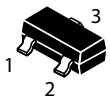
WEITRON

KTA2015

PNP General Purpose Transistors

Lead(Pb)-Free





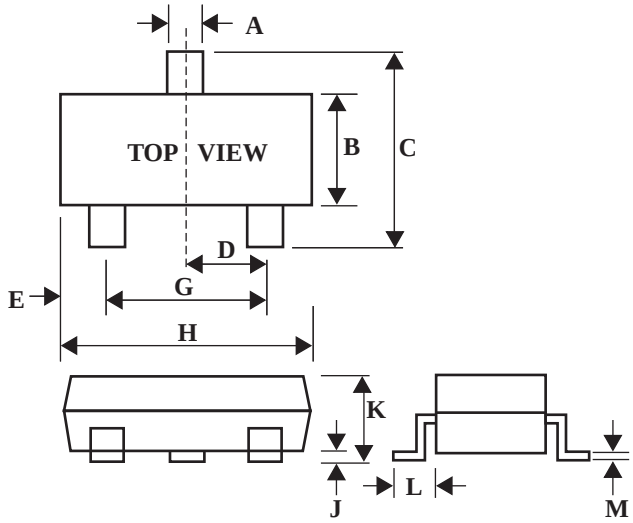
SOT-323

MAXIMUM RATINGS(Ta=25°C)

Rating	Symbol	Value	Unit
Collector-Base Voltage	V_{CBO}	-35	V
Collector-Emitter Voltage	V_{CEO}	-30	V
Emitter-Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-500	mA
Total Device Dissipation T_A=25°C	P_D	100	mW
Junction Temperature	T_j	+150	°C
Storage Temperature	T_{stg}	-55 to +150	°C

SOT-323 Outline Dimension

Unit:mm



SOT-323		
Dim	**Min**	**Max**
A	0.30	0.40
B	1.15	1.35
C	2.00	2.40
D	-	0.65
E	0.30	0.40
G	1.20	1.40
H	1.80	2.20
J	0.00	0.10
K	0.80	1.00
L	0.42	0.53
M	0.10	0.25

ELECTRICAL CHARACTERISTICS

Characteristics	Symbol	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage I_C = -100μA, I_E = 0A	$V_{(BR)CBO}$	-35	-	-	V
Collector-Emitter Breakdown Voltage I_C = -1mA, I_B = 0A	$V_{(BR)CEO}$	-30	-	-	V
Emitter-Base Breakdown Voltage I_E= -100μA, I_C= 0A	$V_{(BR)EBO}$	-5.0	-	-	V
Collector Cutoff Current V_{CB} = -35V, I_E = 0A	I_{CBO}	-	-	-0.1	μA
Emitter Cutoff Current V_{EB} = -5V, I_C = 0A	I_{EBO}	-	-	-0.1	μA

ON CHARACTERISTICS

Collector-Emitter Saturation Voltage I_C = -100mA, I_B= -10mA	$V_{CE(sat)}$	-	-	-0.25	V
DC Current Transfer Ration V_{CE} = -1V, I_C = -100mA	h_{FE}	70	-	240	

SMALL-SIGNAL CHARACTERISTICS

Transition frequence V_{CE}=-6V, I_C = -20mA	f_T	-	200	-	MHz
Collector output capacitane V_{CB}=-6V, I_E = 0, f=1MHz	C_{ob}	-	13	-	pF

CLASSIFICATION h_{FE}

Rank	O	Y
Range	70-140	120-240
Marking	ZO	ZY