



**DESCRIPTION**

The 2SA1362-Y & 2SA1362-G are available in SOT-23 package.

**ORDERING INFORMATION**

Package Type	Part Number
SOT-23	2SA1362-Y
	2SA1362-G
SPQ	3,000pcs/Reel
AiT provides all RoHS Compliant Products	

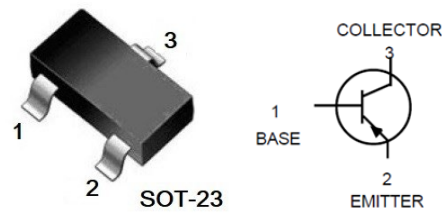
**h<sub>FE</sub> CLASSIFICATION**

Rank	Range
Y	120 ~ 240
G	200 ~ 400

**PIN DESCRIPTION**

- Suitable for the driver stage of small motors.
- Small Package

**PIN DESCRIPTION**



PIN#	DESCRIPTION
1	Base
2	Emitter
3	Collector

**ABSOLUTE MAXIMUM RATINGS**

T<sub>A</sub> = 25°C, unless otherwise specified.

V <sub>CBO</sub> , Collector-Base Voltage	-15 V
V <sub>CEO</sub> , Collector-Emitter Voltage	-15 V
V <sub>EBO</sub> , Emitter-Base Voltage	-5 V
I <sub>C</sub> , Collector Current	-800 mA
I <sub>B</sub> , Base Current	-160 mA
P <sub>C</sub> , Collector Dissipation	200 mW
T <sub>J</sub> , Junction Temperature	150 °C
T <sub>stg</sub> , Storage Temperature	-55 ~ +150 °C

Stresses above may cause permanent damage to the device. These are stress ratings only and functional operation of the device at these or any other conditions beyond those indicated in the Electrical Characteristics are not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

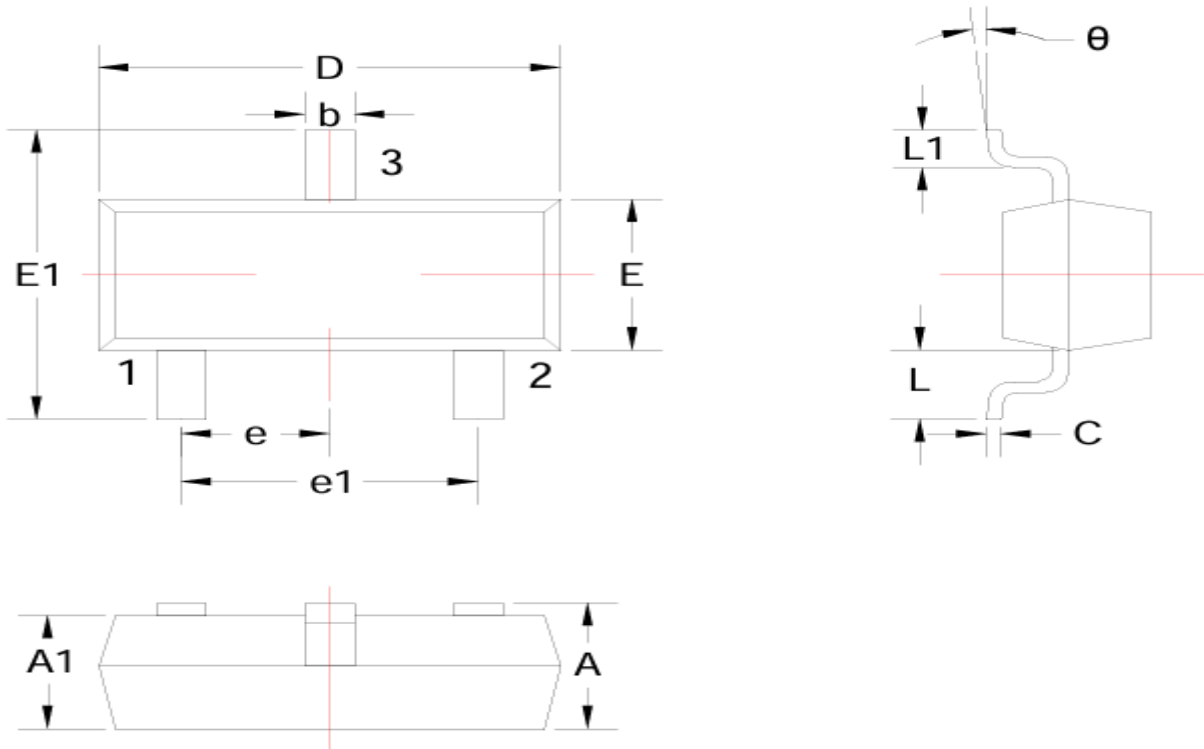
**ELECTRICAL CHARACTERISTICS** $T_A=25^{\circ}\text{C}$  unless otherwise specified.

Parameter	Symbols	Conditions	Min.	Typ.	Max.	Unit
Collector Cut-off Current	$I_{CBO}$	$V_{CB} = -15\text{ V}, I_E = 0$	-	-	-100	nA
Emitter Cut-off Current	$I_{EBO}$	$V_{EB} = -5\text{ V}, I_C = 0$	-	-	-100	nA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C = -10\text{ mA}, I_B = 0$	-15	-	-	V
DC Current Gain	$h_{FE}$	$V_{CE} = -1\text{ V},$ $I_C = -100\text{ mA}$	120	-	400	-
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -400\text{ mA},$ $I_B = -8\text{ mA},$	-	-	-0.2	V
Base-Emitter Voltage	$V_{BE}$	$V_{CE} = -1\text{ V},$ $I_C = -10\text{ mA}$	-0.5	-	-0.8	V
Transition Frequency	$f_T$	$V_{CE} = -5\text{ V},$ $I_C = -10\text{ mA}$	-	120	-	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB} = -10\text{ V},$ $I_E = 0, f=1\text{Mhz}$	-	13	-	pF



**PACKAGE INFORMATION**

Dimension in SOT-23 (Unit: mm)



Symbol	Millimeter	
	Min.	Max.
A	0.900	1.150
A1	0.900	1.050
b	0.300	0.500
c	0.080	0.150
D	2.800	3.000
E	1.200	1.400
E1	2.250	2.550
e	0.950 TYP.	
e1	1.800	2.000
L	0.550 REF	
L1	0.300	0.500
θ	0°	8°



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