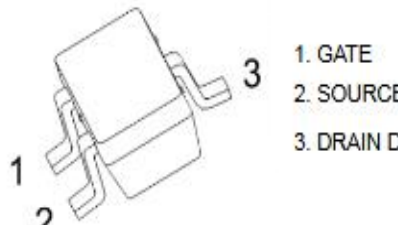
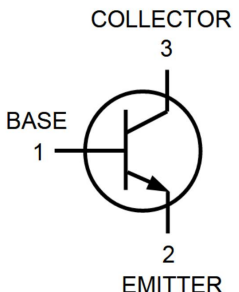
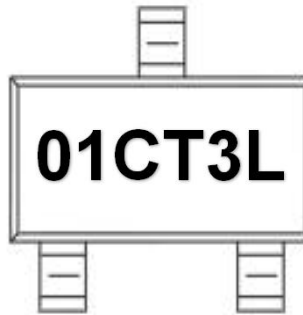
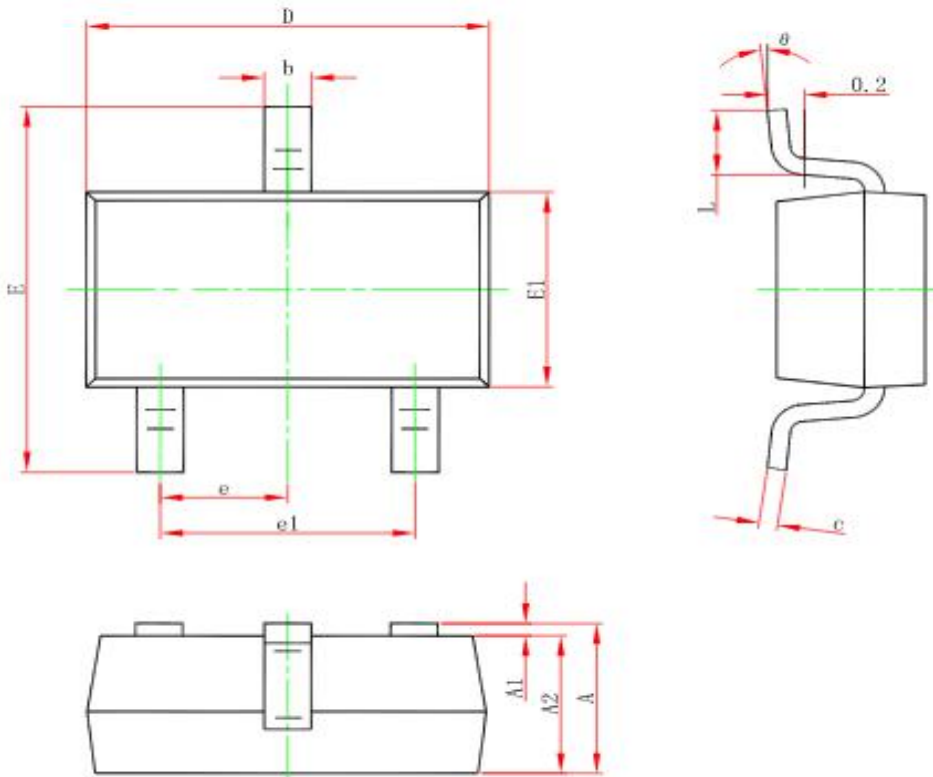


TRANSISTOR (NPN)		SOT-23-3L Plastic-Encapsulate Transistors	
<p style="text-align: center;"><u>SOT-23-3L</u></p>  <p>1. GATE 2. SOURCE 3. DRAIN D</p> <p>Equivalent Circuit:</p> 		<p>Features</p> <ul style="list-style-type: none"> • Power switching applications <p>MARKING:</p> 	
MAXIMUM RATINGS (Ta=25°C unless otherwise noted)			
Parameter	Symbol	Value	Unit
Collector-Base Voltage	VCBO	700	V
Collector-Emitter Voltage	VCEO	450	V
Emitter-Base Voltage	VEBO	8	V
Collector Current	IC	200	mA
Collector Power Dissipation	PC	625	mW
Thermal Resistance From Junction To Ambient	RθJA	416	°C/W
Junction Temperature	Tj	150	°C
Storage Temperature	Tstg	-55~+150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specific)						
Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Collector-base breakdown voltage	V(BR)CBO	IC= 1mA, IE=0	700			V
Collector-emitter breakdown voltage	V(BR)CEO	IC= 1mA, IB=0	450			V
Emitter-base breakdown voltage	V(BR)EBO	IE= 0.1mA, IC=0	8			V
Collector cut-off current	ICBO	VCB= 600 V , IE=0			100	μA
Collector cut-off current	ICEO	VCB= 400V , IE=0			100	μA
Emitter cut-off current	IEBO	VEB= 7V , IC=0			100	μA
DC current gain	hFE	VCE=20V, IC= 20mA	15		25	
	hFE	VCE=10V, IC= 0.25mA	5			
	hFE	VCE=5V, IC= 500mA	1			
Collector-emitter saturation voltage	VCE(sat)	IC=50 mA, IB= 10mA			0.4	V
Base-emitter saturation voltage	VBE(sat)	IC=50 mA, IB= 10mA			1.1	V
Transition frequency	fT	VCE=20V, IC= 20mA f=100MHz	8			MHz
Collector Current Capacitance	Cod	VCB= 10V, IE=0, f=1MHz			6	pF
Rail time	tr	IC= 0.1 A			0.9	μs
Storage time	ts	IC= 0.1 A	1.7		2.9	μs
CLASSIFICATION OF hFE						
Range	14-17	17-20	20-23	23-26	26-30	

SOT-23-3L PACKAGE OUTLINE DIMENSIONS



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	1.050	1.250	0.041	0.049
A1	0.000	0.100	0.000	0.004
A2	1.050	1.150	0.041	0.045
b	0.300	0.500	0.012	0.020
c	0.100	0.200	0.004	0.008
D	2.820	3.020	0.111	0.119
E1	1.500	1.700	0.059	0.067
E	2.650	2.950	0.104	0.116
e	0.950(BSC)		0.037(BSC)	
e1	1.800	2.000	0.071	0.079
L	0.300	0.600	0.012	0.024
θ	0°	8°	0°	8°

单击下面可查看定价，库存，交付和生命周期等信息

[>>DIOS\(迪恩思\)](#)