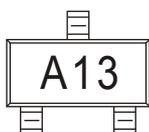


Plastic-Encapsulate Diodes

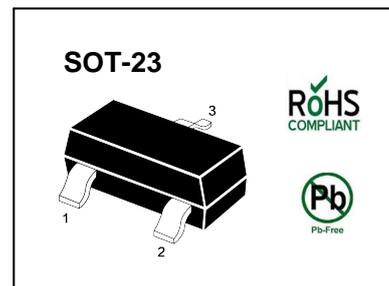
FEATURES

- Low Leakage
- High Conductance

MARKING: A13



Solid dot = Green molding compound device,if none,the normal device.



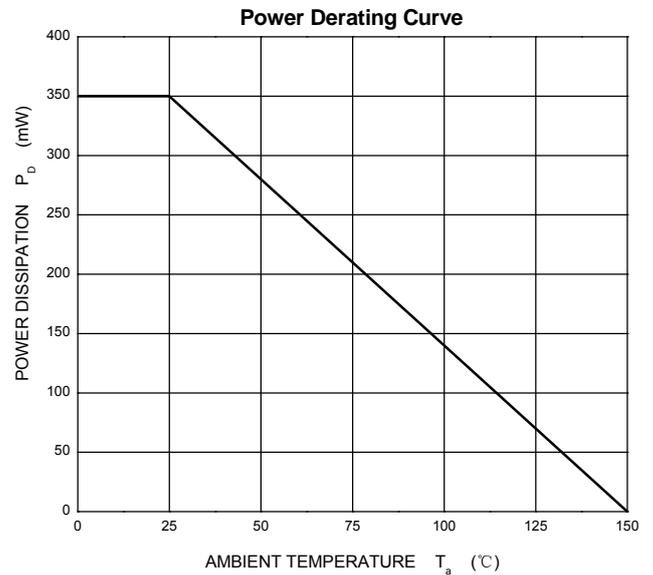
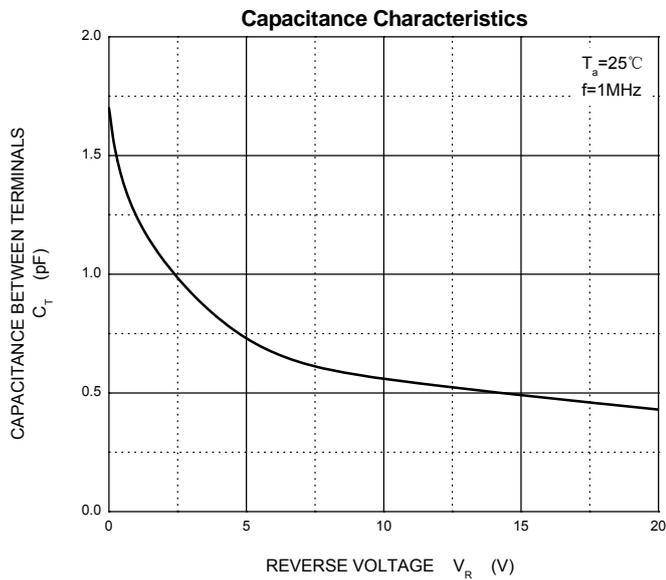
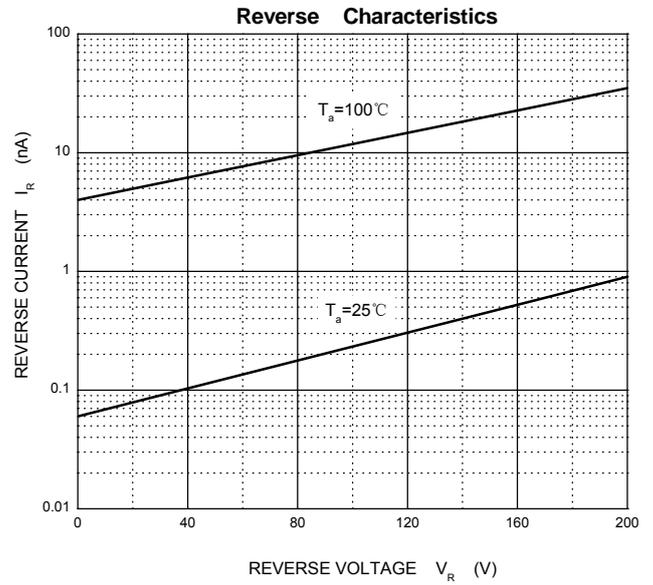
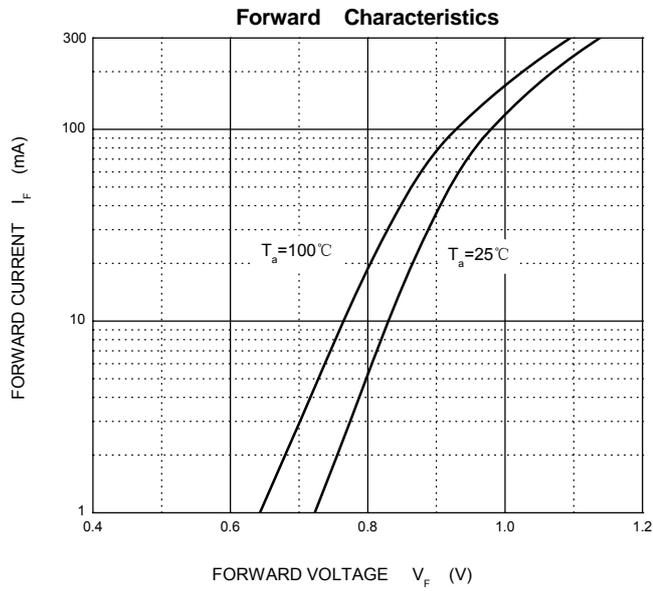
MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _R	DC Blocking Voltage	200	V
I _O	Continuous Forward Current	200	mA
I _{FM}	Peak Forward Current	700	mA
I _{FSM}	Non-repetitive Peak Forward Surge Current @t=8.3ms	2.0	A
P _D	Power Dissipation	350	mW
R _{θJA}	Thermal Resistance from Junction to Ambient	357	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

ELECTRICAL CHARACTERISTICS(T_a=25°C unless otherwise specified)

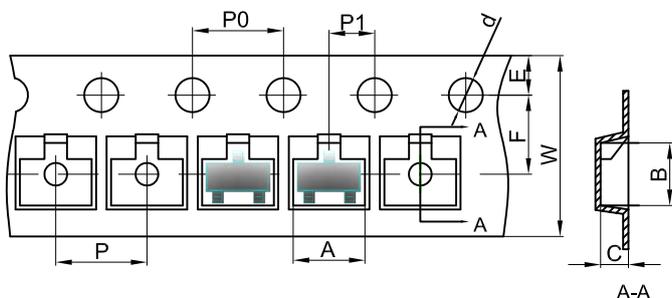
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	V _(BR)	I _R =5μA	200			V
Reverse current	I _R	V _R =180V			10	nA
Forward voltage	V _F	I _F =1mA			0.75	V
		I _F =10mA			0.85	
		I _F =50mA			0.95	
		I _F =100mA			1.1	
		I _F =200mA			1.3	
		I _F =300mA			1.5	
Total capacitance	C _{tot}	V _R =0V,f=1MHz			4	pF

Typical Characteristics



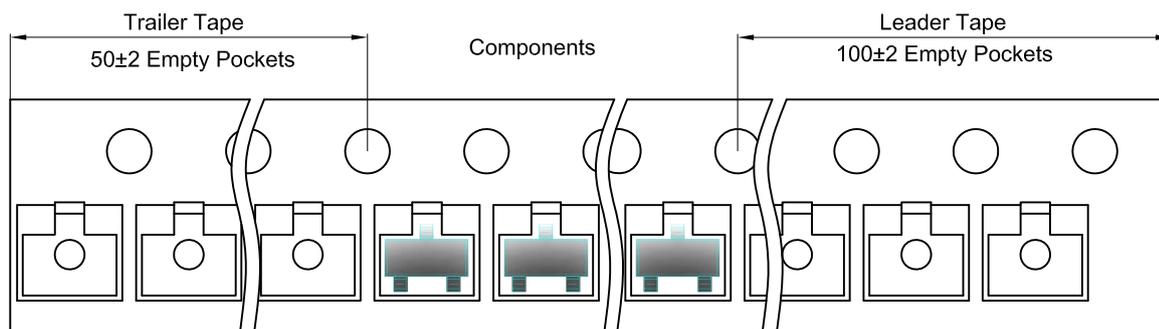
SOT-23 Tape and Reel

SOT-23 Embossed Carrier Tape

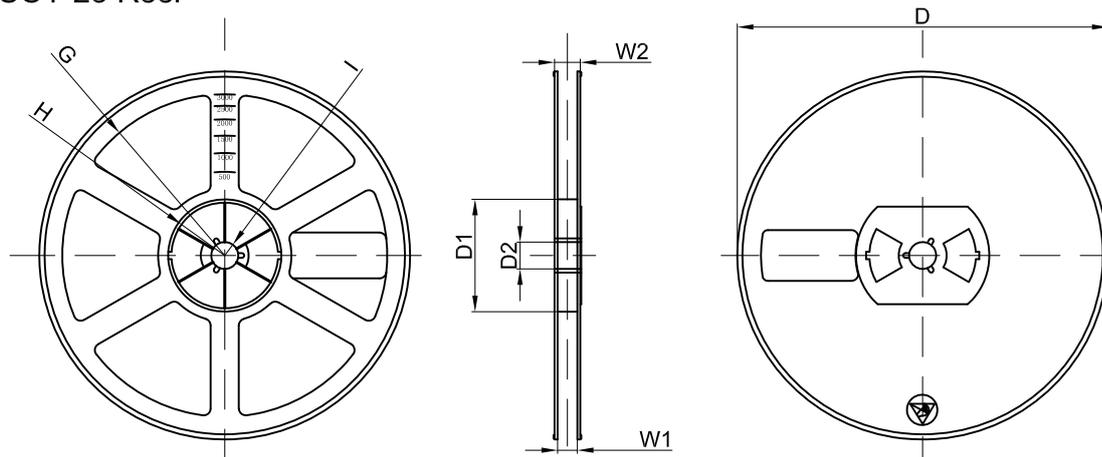


Dimensions are in millimeter										
Pkg type	A	B	C	d	E	F	P0	P	P1	W
SOT-23	3.15	2.77	1.22	Ø1.50	1.75	3.50	4.00	4.00	2.00	8.00

SOT-23 Tape Leader and Trailer

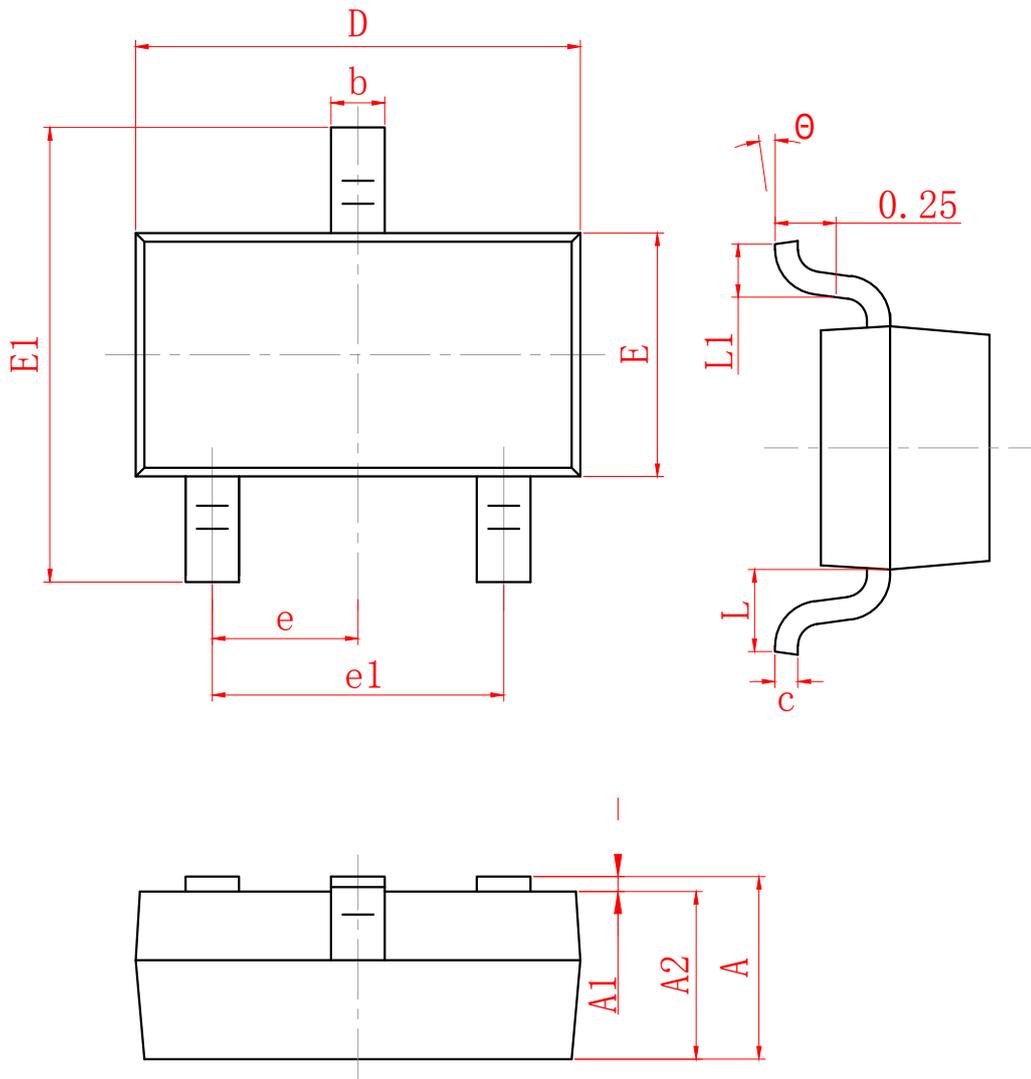


SOT-23 Reel



Dimensions are in millimeter								
Reel Option	D	D1	D2	G	H	I	W1	W2
7" Dia	Ø178.00	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30

REEL	Reel Size	Box	Box Size(mm)	Carton	Carton Size(mm)	G.W.(kg)
3000 pcs	7 inch	45,000 pcs	203×203×195	180,000 pcs	438×438×220	



SYMBOL	MILLIMETER	
	MIN	MAX
A	0.900	1.150
A1	0.000	0.100
A2	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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