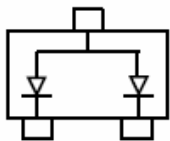
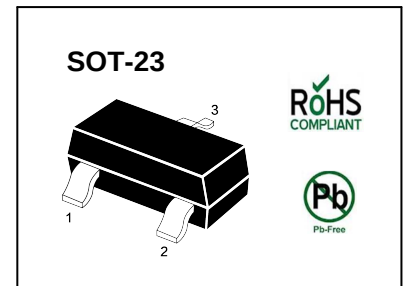


Plastic-Encapsulate Diodes

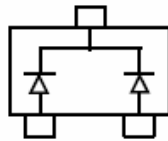
SCHOTTKY BARRIER DIODE

FEATURES

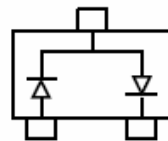
- For low-loss, fast-recovery, meter protection, bias isolation and clamping applications
- Integrated diffused guard ring
- Low forward voltage



BAT64-06 MARKING:66S



BAT64-05 MARKING:65S



BAT64-04 MARKING: 64S

BAT64-06	BAT64-05	BAT64-04

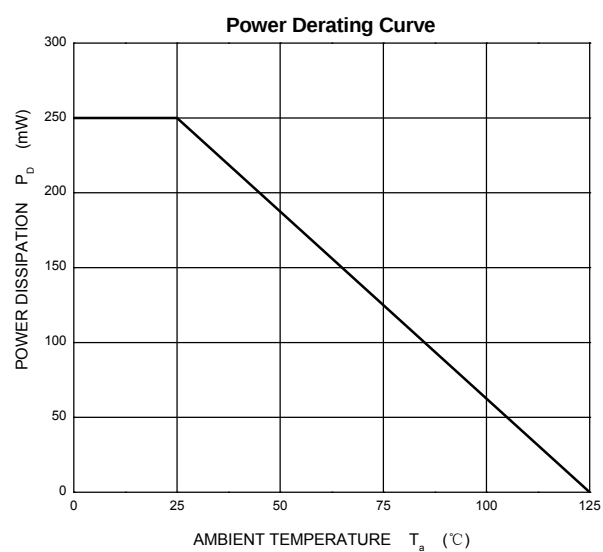
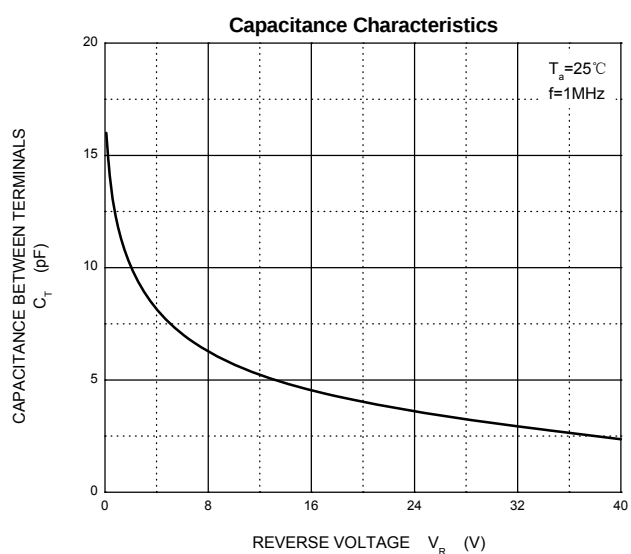
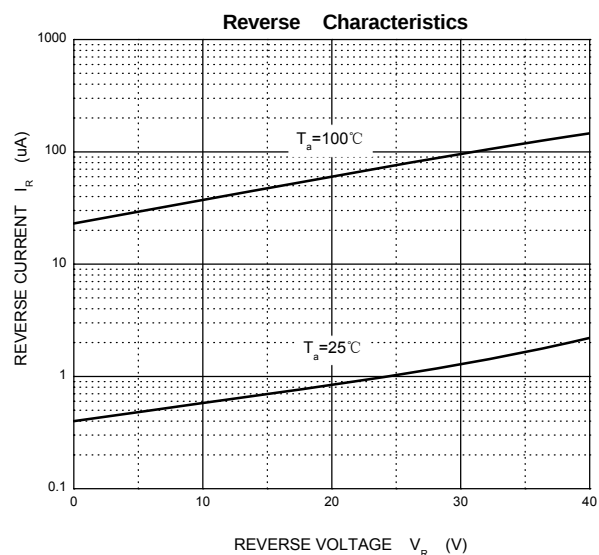
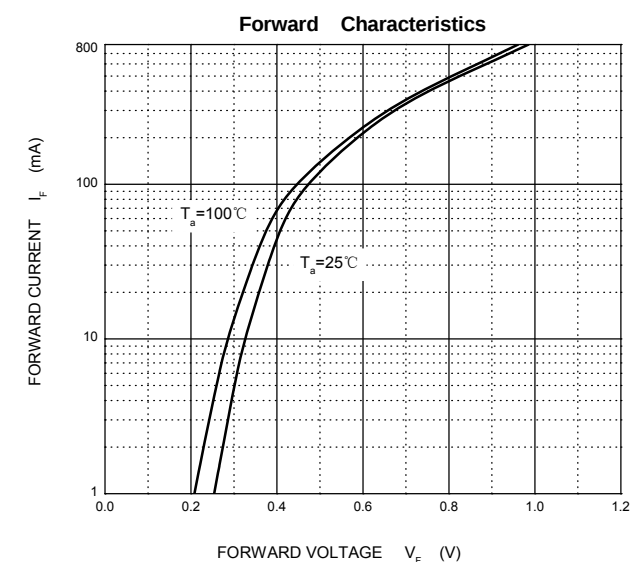
Maximum Ratings @T_a=25°C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	40	V
DC reverse	V _R		
Non-repetitive Peak forward surge current @t=8.3ms	I _{FSM}	0.8	A
Forward current	I _F	0.25	A
Power Dissipation	P _D	250	mW
Thermal Resistance Junction-to-Ambient	R _{θJA}	400	°C/W
Operating Junction Temperature Range	T _j	-40 ~ +125	°C
Storage Temperature Range	T _{stg}	-55 ~ +150	°C

Electrical Ratings @T_a=25°C

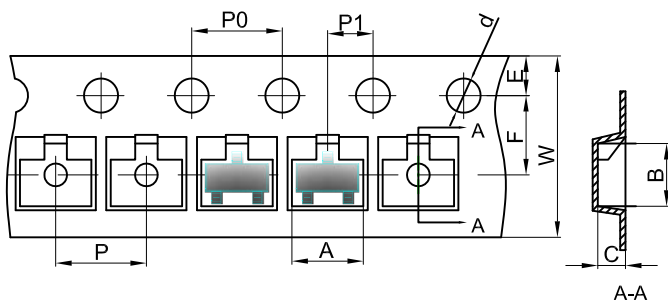
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse breakdown voltage	V _R	40			V	I _R =10μA
Forward voltage	V _F			350 430 520 750	mV	I _F =1mA I _F =10mA I _F =30mA I _F =100mA
Reverse current	I _R			2	μA	V _R =25V
Capacitance between terminals	C _T		6		pF	V _R =1V,f=1MHz

Typical Characteristics



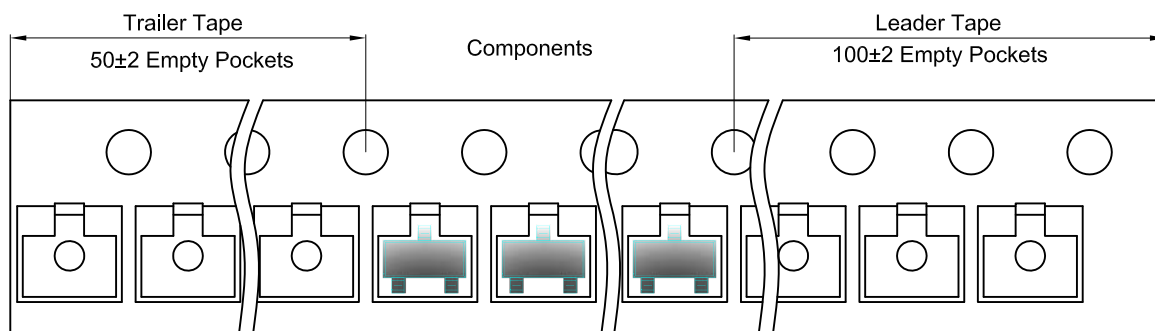
SOT-23 Tape and Reel

SOT-23 Embossed Carrier Tape

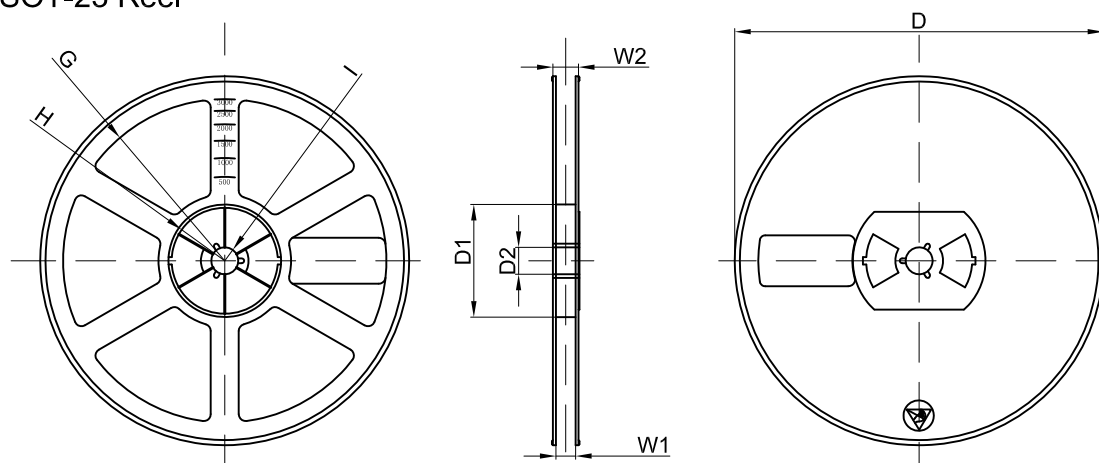


Dimensions are in millimeter										
Pkg type	A	B	C	d	E	F	P0	P	P1	W
SOT-23	3.15	2.77	1.22	Ø1.50	1.75	3.50	4.00	4.00	2.00	8.00

SOT-23 Tape Leader and Trailer

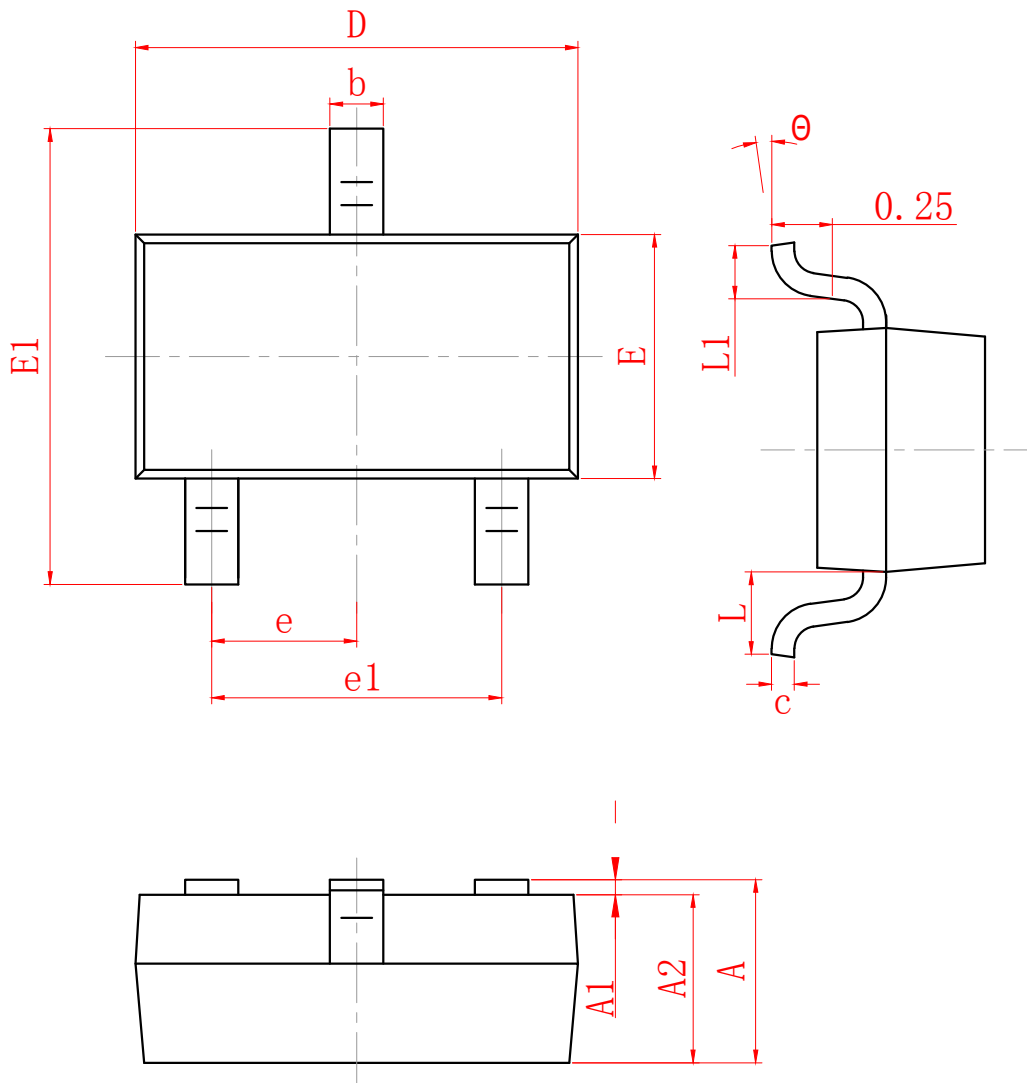


SOT-23 Reel



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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