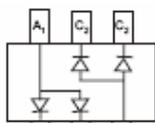


### Plastic-Encapsulate Transistors

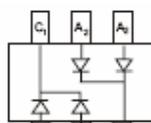
SCHOTTKY BARRIER DIODE ARRAYS

#### FEATURES

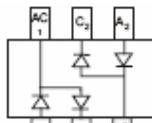
- Low Forward voltage drop
- Fast switching



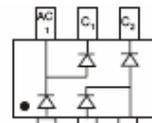
BAS40DW-06  
Marking: K46



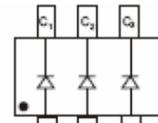
BAS40DW-05  
Marking: K45



BAS40DW-04  
Marking: K44



BAS40BRW  
Marking: K47



BAS40TW  
Marking: K43

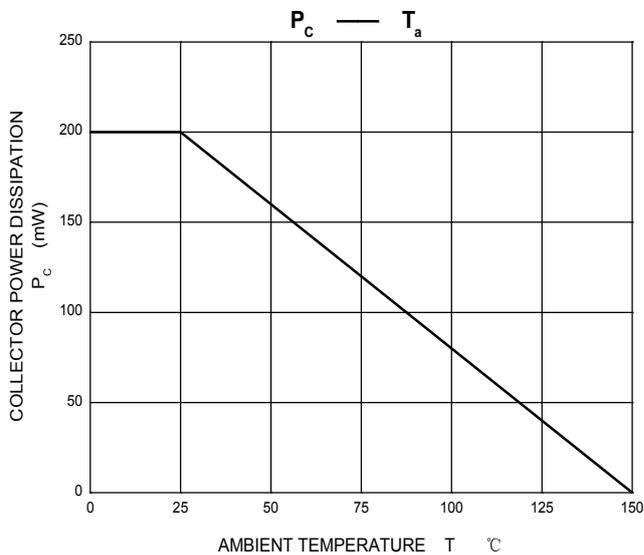
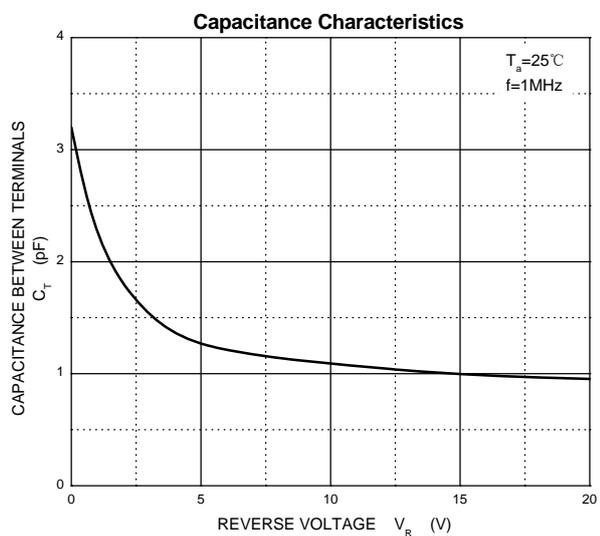
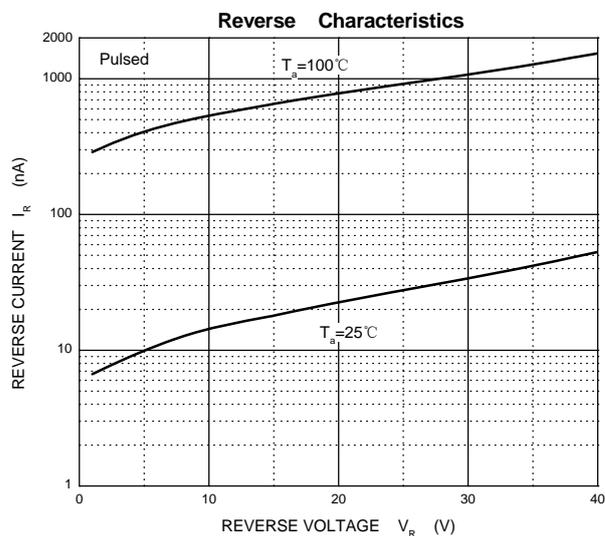
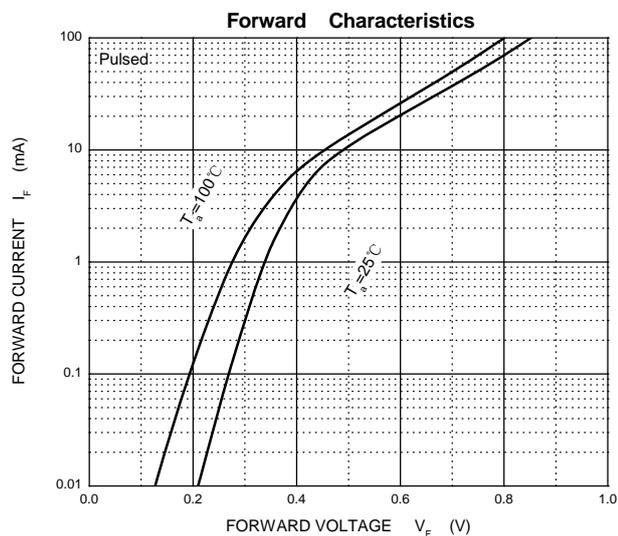
#### Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	$V_{RM}$	40	V
DC Blocking Voltage	$V_R$		
Average Rectified Output Current	$I_o$	200	mA
Power Dissipation	$P_d$	200	mW
Thermal Resistance. Junction to Ambient Air	$R_{\theta JA}$	625	°C/W
Junction temperature	$T_J$	125	°C
Storage temperature range	$T_{STG}$	-65-125	°C

#### Electrical Ratings @Ta=25°C

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 10\mu A$	40		V
Reverse voltage leakage current	$I_R$	$V_R = 30V$		200	nA
Forward voltage	$V_F$	$I_F = 1mA$ $I_F = 40mA$		380 1000	mV
Total capacitance	$C_T$	$V_R = 0, f = 1MHz$		5	pF
Reverse recovery time	$t_{rr}$	$I_F = 10mA, I_R = I_F = 1mA$ $R_L = 100\Omega$		5	ns

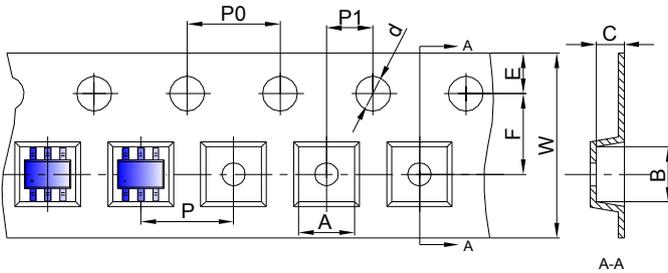
### Typical Characteristics



### SOT-363 Tape and Reel

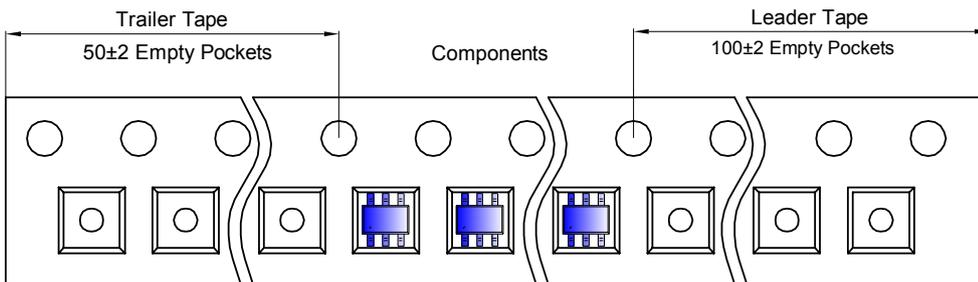
#### SOT-363 Tape and reel

SOT-363 Embossed Carrier Tape

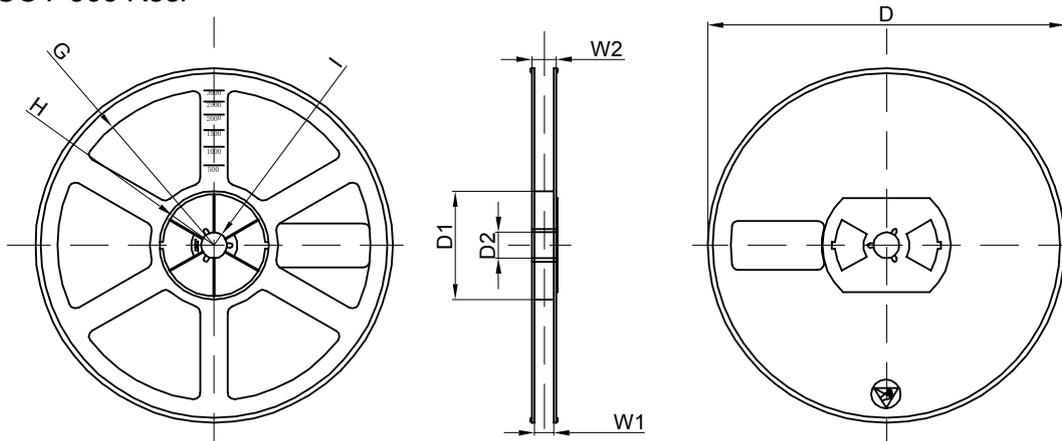


Dimensions are in millimeter										
Pkg type	A	B	C	d	E	F	P0	P	P1	W
SOT-363	2.25	2.55	1.20	Ø1.50	1.75	3.50	4.00	4.00	2.00	8.00

#### SOT-363 Tape Leader and Trailer

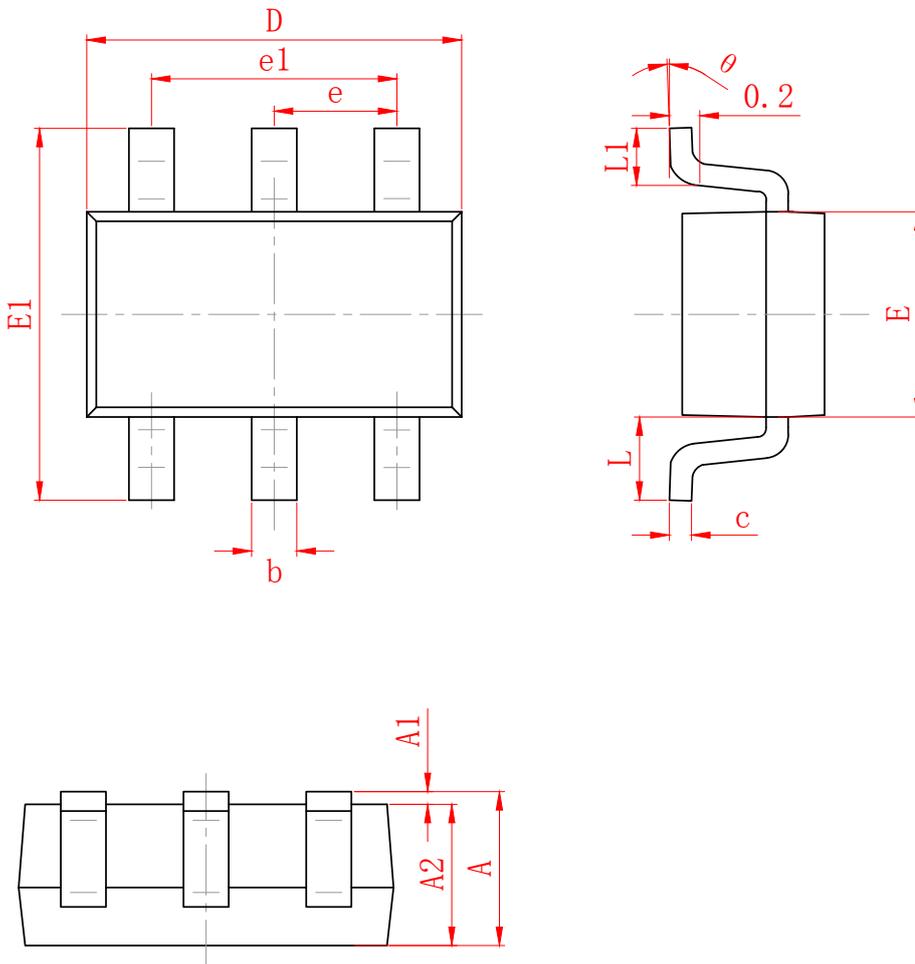


#### SOT-363 Reel



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	30,000 pcs	203×203×195	120,000 pcs	438×438×220	



SYMBOL	MILLIMETER	
	MIN	MAX
A	0.900	1.100
A1	0.000	0.100
A2	0.900	1.000
b	0.150	0.350
c	0.080	0.150
D	2.000	2.200
E	1.150	1.350
E1	2.150	2.450
e	0.650 TYP.	
e1	1.200	1.400
L	0.525 REF.	
L1	0.260	0.460
$\theta$	0°	8°

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