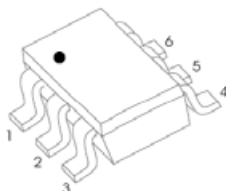
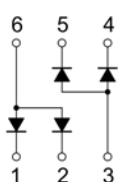
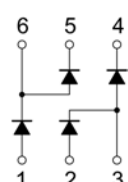
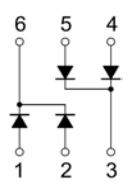
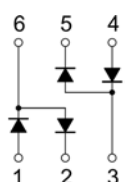
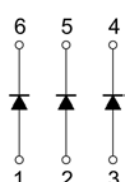
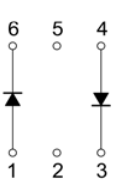
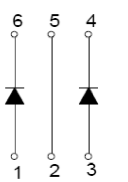
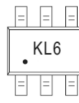
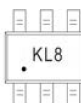
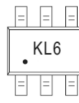
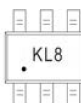
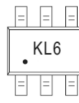
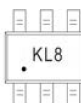


SCHOTTKY BARRIER DIODE ARRAYS															
SOT-363 	FEATURES ● Low Forward Voltage Drop ● Fast Switching ● Small Surface Mount Package ● PN Junction Guard Ring for Transient and ESD Protection ● Available in Lead Free Version														
 BAT54ADW  BAT54BRW  BAT54CDW  BAT54SDW  BAT54TW  BAT54DW  BAT54JW															
MARKING: <table><tr><th>BAT54ADW</th><th>BAT54BRW</th><th>BAT54CDW</th><th>BAT54SDW</th><th>BAT54TW</th></tr><tr><td>  </td><td>  </td><td>  </td><td>  </td><td>  </td></tr></table> <table><tr><th>BAT54DW</th><th>BAT54JW</th></tr><tr><td>  </td><td>  </td></tr></table>		BAT54ADW	BAT54BRW	BAT54CDW	BAT54SDW	BAT54TW						BAT54DW	BAT54JW		
BAT54ADW	BAT54BRW	BAT54CDW	BAT54SDW	BAT54TW											
															
BAT54DW	BAT54JW														
															

MAXIMUM RATINGS ($T_a=25^\circ\text{C}$ unless otherwise noted)

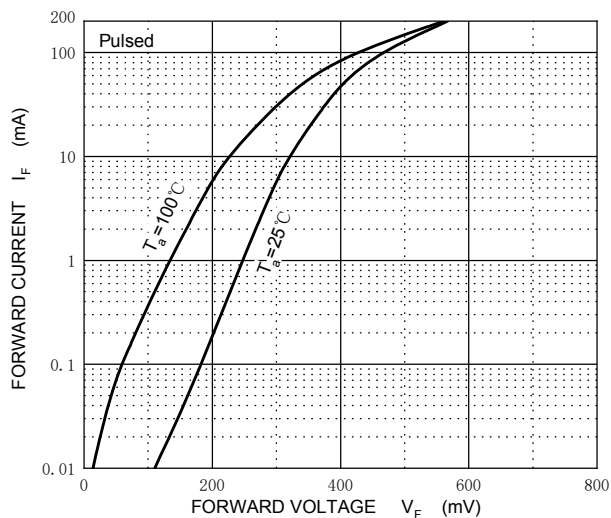
Symbol	Parameter	Value	Unit
V_{RRM}	Repetitive Peak Reverse Voltage	30	V
V_{RWM}	Peak Working Reverse Voltage		
V_R	DC Blocking Voltage		
I_O	Forward Continuous Current	200	mA
I_{FRM}	Repetitive Peak Forward Current	300	mA
I_{FSM}	Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	600	
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	500	$^\circ\text{C/W}$
T_J	Operating Junction Temperature Range	$-40 \sim +125$	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	$-55 \sim +150$	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$ unless otherwise specified)

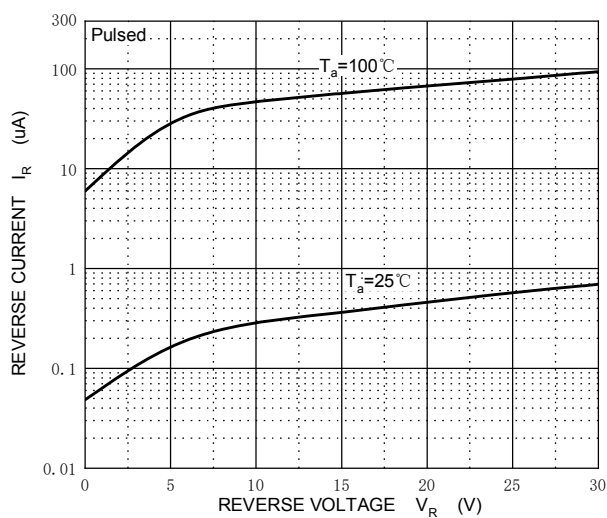
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	30			V
Reverse current	I_R	$V_R=25\text{V}$			2	μA
Forward voltage	V_F	$I_F=1\text{mA}$			320	mV
		$I_F=10\text{mA}$			400	
		$I_F=30\text{mA}$			500	
		$I_F=100\text{mA}$			1000	
Total capacitance	C_{tot}	$V_R=1\text{V}, f=1\text{MHz}$			10	pF
Reverse recovery time	t_{rr}	$I_F=I_R=10\text{mA}, I_{rr}=0.1\times I_R, R_L=100\Omega$			5	ns

Typical Characteristics

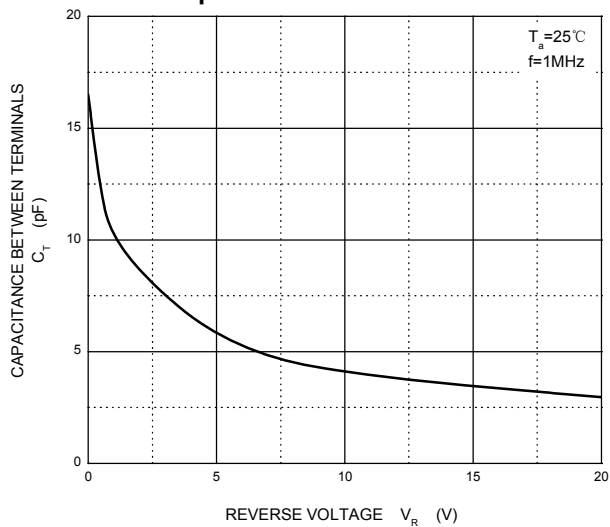
Forward Characteristics



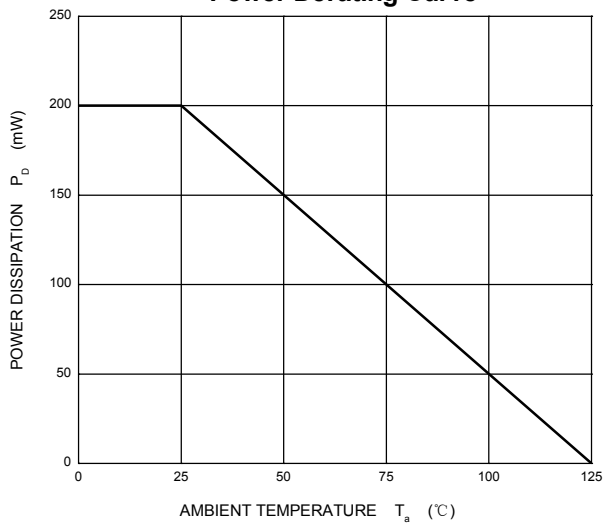
Reverse Characteristics



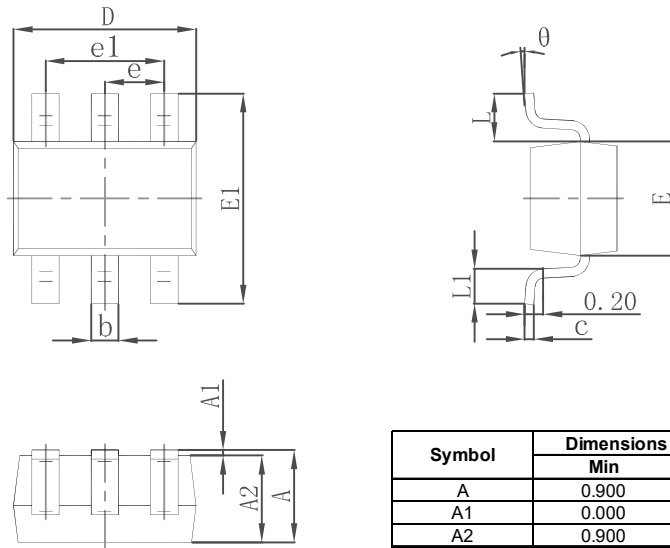
Capacitance Characteristics



Power Derating Curve

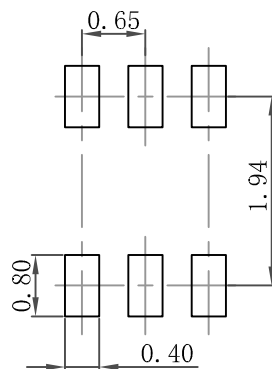


SOT-363 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.150	0.350	0.006	0.014
c	0.100	0.150	0.004	0.006
D	2.000	2.200	0.079	0.087
E	1.150	1.350	0.045	0.053
E1	2.150	2.400	0.085	0.094
e	0.650 TYP		0.026 TYP	
e1	1.200	1.400	0.047	0.055
L	0.525 REF		0.021 REF	
L1	0.260	0.460	0.010	0.018
θ	0°	8°	0°	8°

SOT-363 Suggested Pad Layout



Note:

1. Controlling dimension: in millimeters.
2. General tolerance: $\pm 0.05\text{mm}$.
3. The pad layout is for reference purposes only.