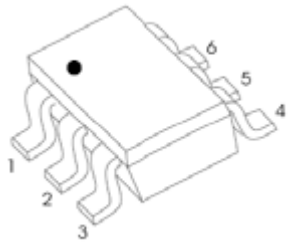
Plastic-Encapsulate Diodes

SCHOTTKY BARRIER DIODE ARRAYS

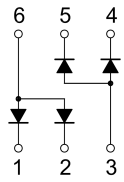
SOT-363



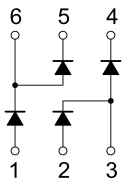
FEATURES

- Low Forward Voltage Drop
- Fast Switching
- Small Surface Mount Package
- PN Junction Guard Ring for Transient and ESD Protection
- Available in Lead Free Version

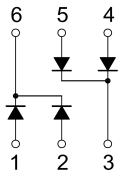
MARKING:



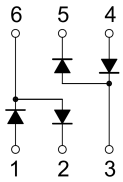
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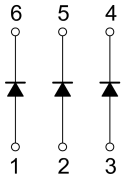
BAT54BRW



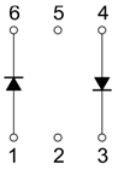
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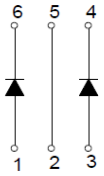
BAT54SDW



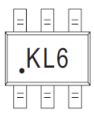
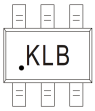
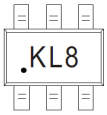
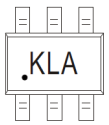
BAT54TW

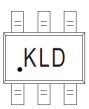


BAT54DW



BAT54JW

BAT54ADW	BAT54BRW	BAT54CDW	BAT54SDW	BAT54TW
				

BAT54DW	BAT54JW
	

Solid dot = Green molding compound device,if none, the normal device.
Solid dot = Pin1 indicate.

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ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS (T_a=25℃ 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=8.3ms	600	
P_D	Power Dissipation	200	mW
$R_{\Theta JA}$	Thermal Resistance From Junction To Ambient	500	℃/W
T_j	Junction Temperature	-40~+125	℃
T_{stg}	Storage Temperature	-55~+150	℃

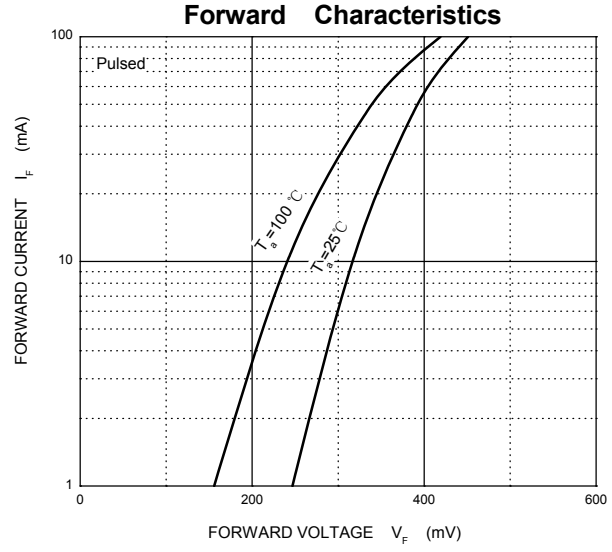
ELECTRICAL CHARACTERISTICS (T_a=25 ℃ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	I_R=100μA	30			V
Reverse current	I_R	V_R=25V			2	μA
Forward voltage	V_F	I_F=1mA			320	mV
		I_F=10mA			400	
		I_F=30mA			500	
		I_F=100mA			1000	
Total capacitance	C_{tot}	V_R=1V,f=1MHz			15	pF
Reverse recovery time	t_{rr}	I_F= I_R=10mA, I_{rr}=0.1×I_R, R_L=100Ω			5	ns

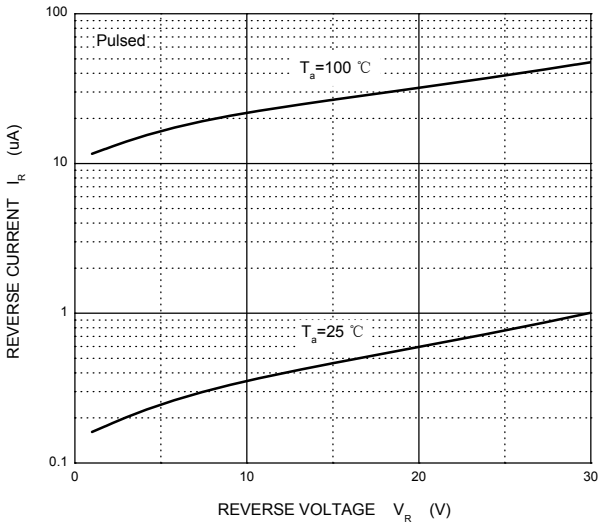
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Typical Characteristics

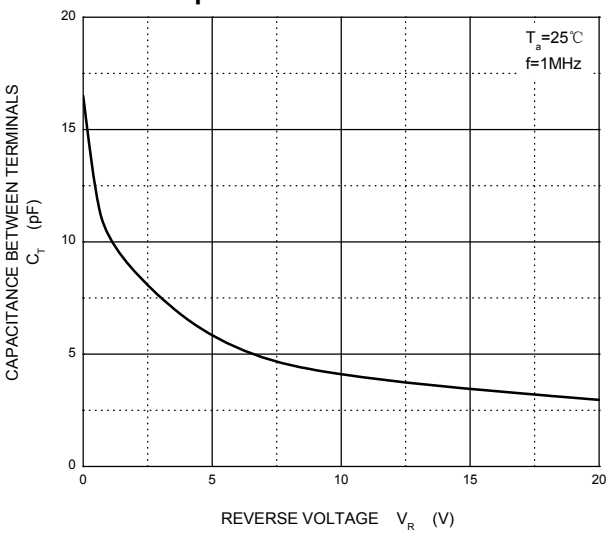
Forward Characteristics



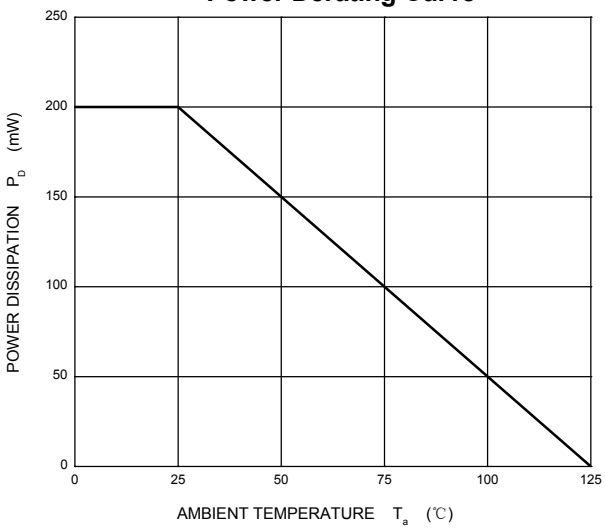
Reverse Characteristics



Capacitance Characteristics



Power Derating Curve



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