

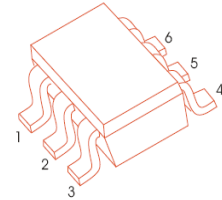
SOT-363 Plastic-Encapsulate Diodes

BAT54ADW /BAT54BRW /

BAT54CDW /BAT54SDW /BAT54TW

SCHOTTKY BARRIER DIODE ARRAYS

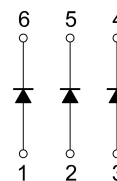
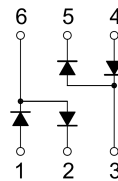
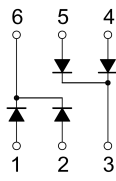
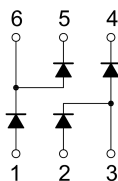
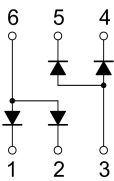
SOT-363



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:



BAT54ADW

BAT54BRW

BAT54CDW

BAT54SDW

BAT54TW

MARKING: KL6

MARKING: KLB

MARKING: KL7

MARKING: KL8

MARKING: KLA

MAXIMUM RATINGS (T_a=25°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 ≤ 1s	600	
P _D	Power Dissipation	200	mW
R _{θJA}	Thermal Resistance From Junction To Ambient	500	°C/W
T _j	Junction Temperature	125	°C
T _{stg}	Storage Temperature	-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 =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			10	pF
Reverse recovery time	t _{rr}	I _F = I _R =10mA, I _{rr} =0.1×I _R , R _L =100Ω			5	ns