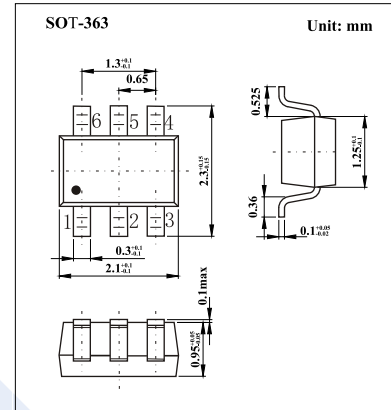
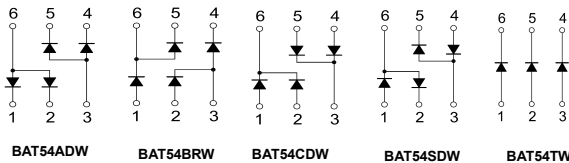


Schottky Diodes

BAT54ADW /BRW /CDW /SDW /TW
(KAT54ADW /BRW /CDW /SDW /TW)
■ Features

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


■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	30	V
Peak Working Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
Forward Current	I _o	200	mA
Repetitive Peak Forward Current	I _{FRM}	300	
Non-repetitive Peak Forward Surge Current @t≤1s	I _{FSM}	600	
Power Dissipation	P _d	200	mW
Thermal Resistance Junction to Ambient	R _{θJA}	500	°C/W
Junction Temperature	T _J	125	°C
Storage Temperature range	T _{stg}	-55 to 150	

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V _{BR}	I _R = 100 uA	30			V
Forward voltage	V _{F1}	I _F = 1 mA			0.32	
	V _{F2}	I _F = 10 mA			0.4	
	V _{F3}	I _F = 30 mA			0.5	
	V _{F4}	I _F = 100 mA			1	
Reverse voltage leakage current	I _R	V _R = 25 V			2	uA
Junction capacitance	C _j	V _R = 1V, f= 1 MHz			10	pF
Reverse recovery time	t _{rr}	I _F =I _R =10mA, I _{rr} =0.1xI _R , R _L =100Ω			5	ns

■ Marking

NO.	BAT54ADW	BAT54BRW	BAT54CDW	BAT54SDW	BAT54TW
Marking	KL6	KLB	KL7	KL8	KLA