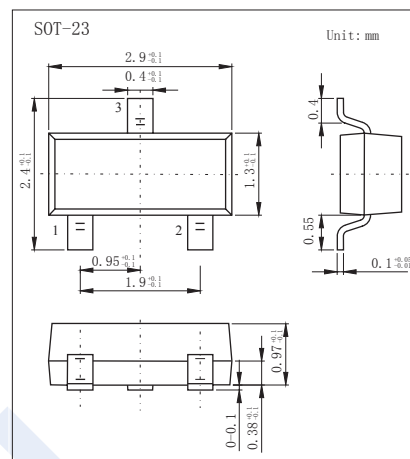
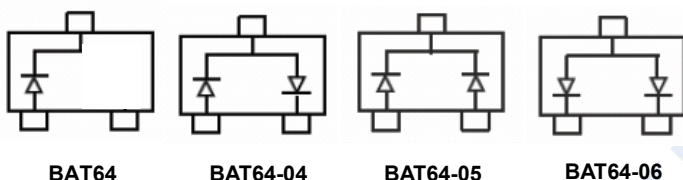


Schottky Diodes

BAT64-04/05/06 (KAT64-04/05/06)

■ Features

- For low-loss, fast-recovery, meter protection, bias isolation and clamping applications
- Integrated diffused guard ring
- Low forward voltage

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Peak Reverse Voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	40	
Forward Current	I_F	250	mA
Non-repetitive Peak forward surge current @ $t=8.3\text{ms}$	I_{FSM}	800	
Power Dissipation	P_D	250	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	400	$^\circ\text{C/W}$
Junction Temperature	T_J	125	$^\circ\text{C}$
Storage Temperature range	T_{stg}	-55 to 150	

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V_R	$I_R = 100\text{ }\mu\text{A}$	40			V
Forward voltage	V_F	$I_F = 1\text{ mA}$			350	mV
		$I_F = 10\text{ mA}$			430	
		$I_F = 30\text{ mA}$			520	
		$I_F = 100\text{ mA}$			750	
Reverse voltage leakage current	I_R	$V_R = 25\text{ V}$			2	μA
Capacitance between terminals	C_T	$V_R = 1\text{ V}, f = 1\text{ MHz}$		6		pF

■ Marking

Type	BAT64	BAT64-04	BAT64-05	BAT64-06
Marking	63S	64S	65S	66S

Schottky Diodes

BAT64-04/05/06 (KAT64-04/05/06)

■ Typical Characteristics

