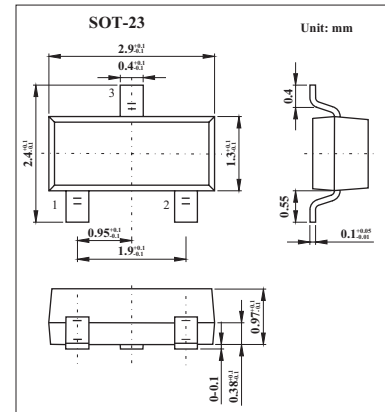


BAT64 series

■ Features

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



■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Max	Unit
Diode reverse voltage	V _R	40	V
Forward current	I _F	250	mA
Average forward current (50/60Hz,sinus)	I _{FAV}	120	mA
Surge forward current (t ≤ 10 ms)	I _{FSM}	800	mA
Total power dissipation Ts = 61 °C	P _{tot}	250	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C
Junction ambient (Note 1)	R _{th JA}	≤ 495	KW
Junction soldering point	R _{th JS}	≤ 355	KW

Note

1. Package mounted on epoxy pcb 40mm × 40 mm × 1.5 mm /0.5cm² Cu

■ Electrical Characteristics Ta = 25 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current	I _R	V _R = 25 V, T _A = 25 °C			2	μ A
		V _R = 25 V, T _A = 85 °C			200	
Forward voltage	V _F	I _F = 1 mA		320	350	mV
		I _F = 10 mA		385	430	V
		I _F = 30 mA		440	520	V
		I _F = 100 mA		570	750	V
Diode capacitance	C _T	V _R = 1 V, f = 1 MHz		4	6	pF

■ Marking

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