

Features

- Integrated Diffused Guard Ring
- Low Forward Voltage
- For low-Loss, Fast-Recovery, Meter Protection, Bias Isolation and Clamping Applications
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

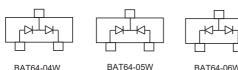
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 500°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage
BAT64-04W	64S	40V	40V
BAT64-05W	65S	40V	40V
BAT64-06W	66S	40V	40V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	250mA	T _A = 25 °C
Peak Forward Surge Current	I _{FSM}	800mA	tp=10ms
Power Dissipation	P _d	250mW	
Maximum Forward Voltage	V _F	350mV 430mV 520mV 750mV	I _F =1.0mA I _F =10mA I _F =30mA I _F =100mA
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	2.0µA	V _R = 30V
Maximum Junction Capacitance	C _T	30pF	Measured at 1.0MHz, V _R =5.0V
Maximum Reverse Recovery Time	t _{rr}	5.0ns	I_F =10mA, I_R =10mA, I_{rr} =1mA, R_L =100 Ω

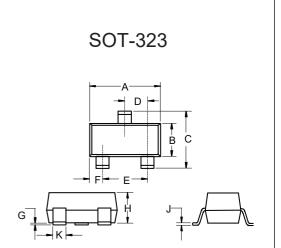
Internal Structure:



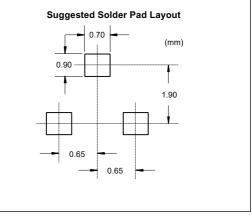


BAT64-06W



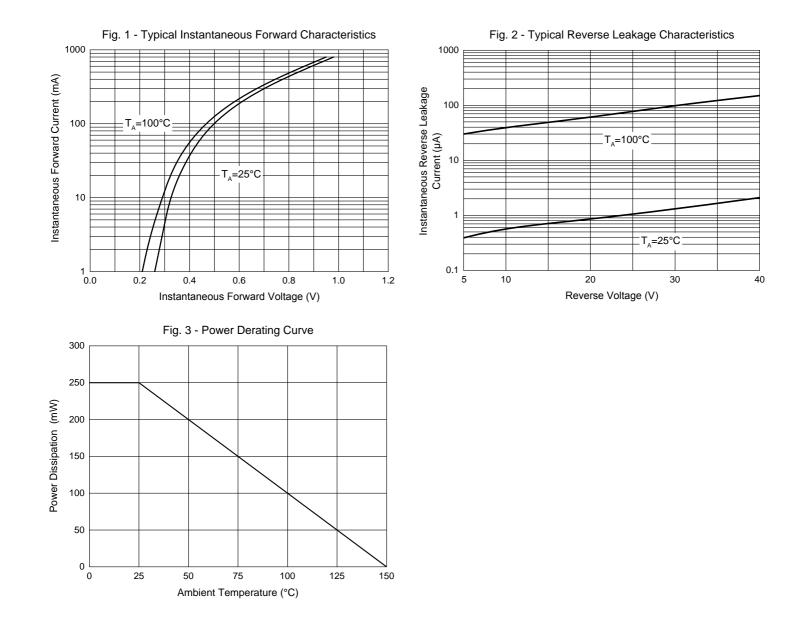


DIMENSIONS								
DIM	INCHES		MM		NOTE			
	MIN	MAX	MIN	MAX	NOTE			
А	0.071	0.087	1.80	2.20				
В	0.045	0.053	1.15	1.35				
С	0.083	0.096	2.10	2.45				
D	0.026 Nominal 0.65 Nomin			lominal				
E	0.047	0.055	1.20	1.40				
F	0.012	0.016	0.30	0.40				
G	0.000	0.004	0.00	0.10				
Н	0.035	0.044	0.90	1.10				
J	0.002	0.010	0.05	0.25				
K	0.006	0.016	0.15	0.40				





Curve Characteristics





Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel: 3Kpcs/Reel	

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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3/3