



# THE DATASHEET OF BAT54BRW-TP





Micro Commercial Components



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BAT54TW/ADW/
CDW/SDW/BRW

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
Halogen free available upon request by adding suffix "-HF"
Fast Switching and Low Forward Voltage Drop
Ultra-Small Surface Mount Package
PN Junction Guard Ring for Transient and ESD Protection
Available in Lead Free Version
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

Table with 3 columns: Parameter, Symbol, Value. Includes Continuous Reverse Voltage (30V), Forward Continuous Current (200mA), Repetitive Peak Forward Current (300mA), Peak Forward Current (600mA), Power Dissipation (200mW), Thermal Resistance (625°C/W), Storage Temperature Range (-65°C to 125°C), Operating Temperature Range (-65°C to 125°C).

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Ratings, Symbol, Max., Notes. Includes Forward Voltage at various currents (240mV to 1000mV), Reverse Current (2.0µA), Reverse Breakdown Voltage (>30V), Capacitance (10pF), Reverse Recovery Time (5.0nS).

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.
2. Short duration test pulse used to minimize self-heating effect

200mWatt, 30Volt
Schottky Barrier Diode

SOT-363

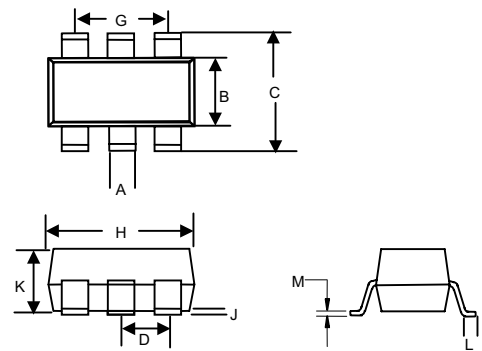


Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Lists dimensions A through M with their respective minimum and maximum values in inches and millimeters.

**BAT54TW/ADW/CDW/SDW/BRW**

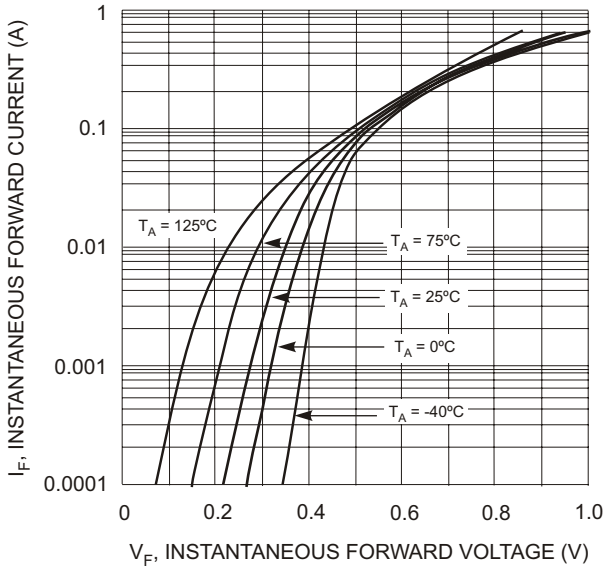


Fig. 1 Forward Characteristics

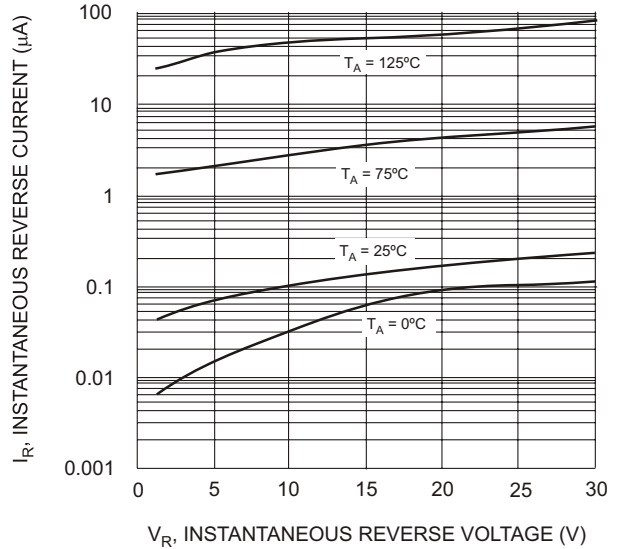


Fig. 2 Typical Reverse Characteristics

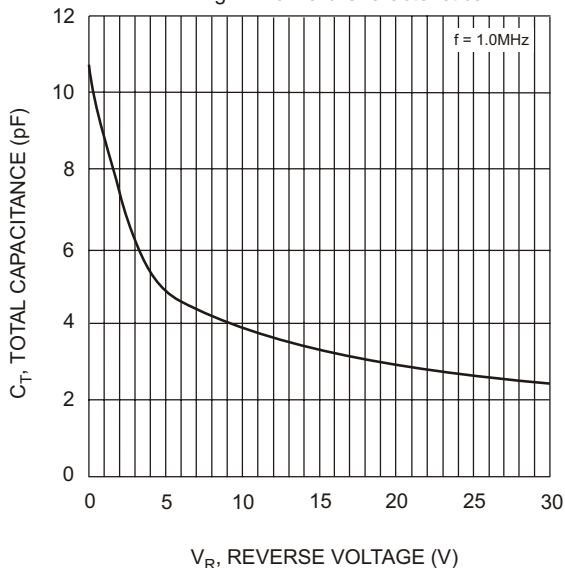


Fig. 3 Typical Capacitance vs. Reverse Voltage

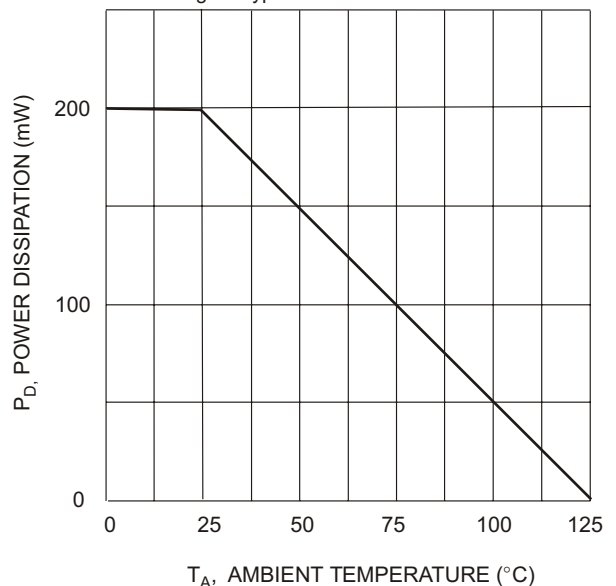
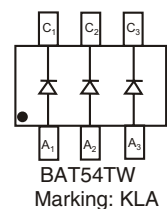
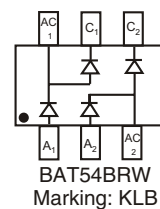
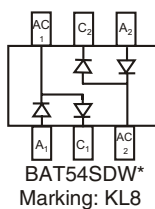
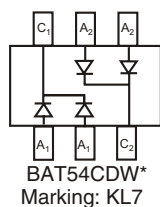
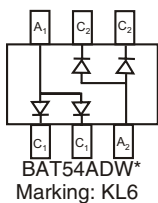


Fig. 4 Power Derating Curve



\*Symmetrical configuration, no orientation indicator.



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### 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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