



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components



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. Rows include 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. Rows include Forward Voltage at various currents (Note 2), Reverse Current (V_R = 25V), Reverse Breakdown Voltage (>30V), Capacitance (Measured at 1.0MHz, V_R=1.0V), Reverse Recovery Time (I_F=I_R=10mA; I_REC=1mA, R_L=100Ω).

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

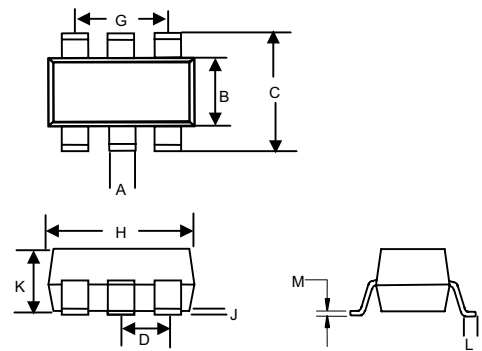


Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows A through M provide specific dimension values.

BAT54TW/ADW/CDW/SDW/BRW

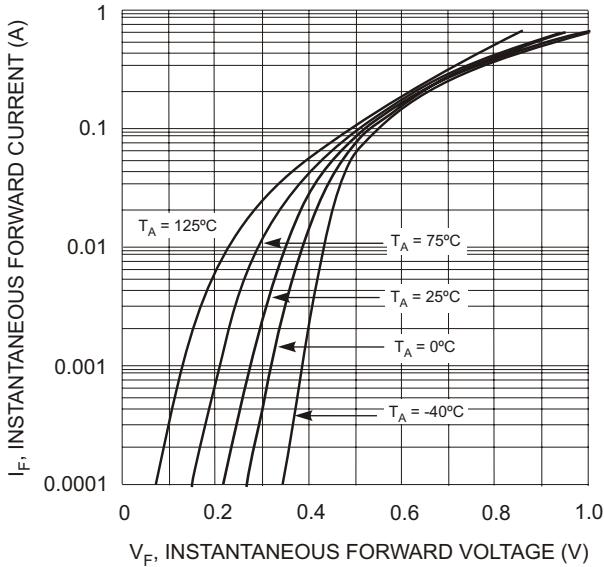


Fig. 1 Forward Characteristics

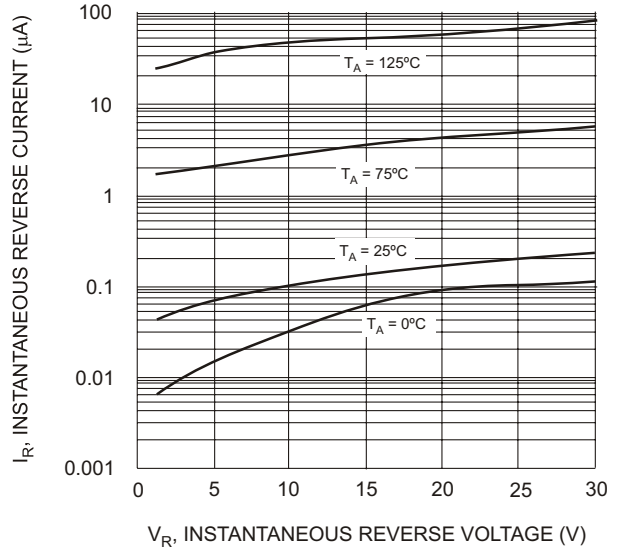


Fig. 2 Typical Reverse Characteristics

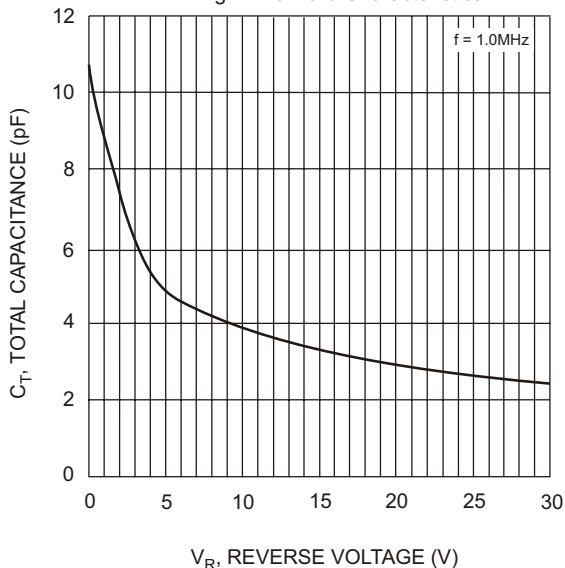


Fig. 3 Typical Capacitance vs. Reverse Voltage

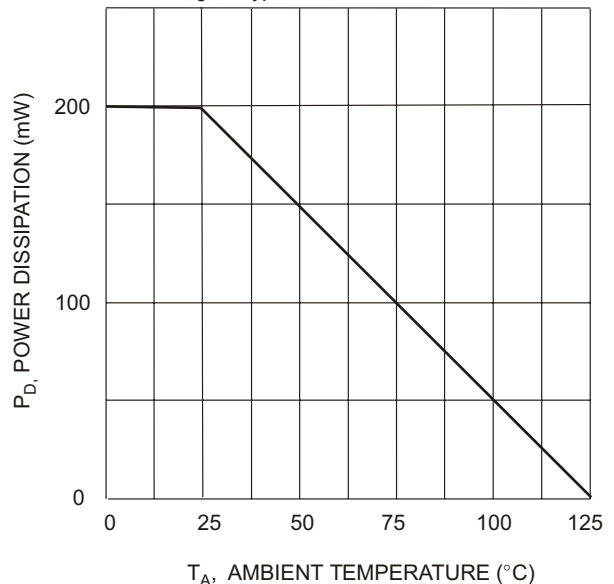
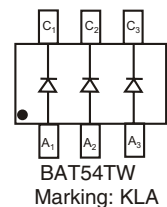
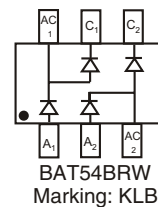
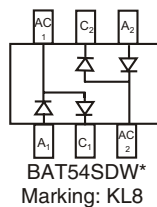
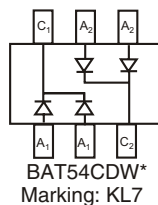
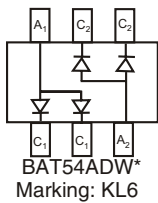


Fig. 4 Power Derating Curve



*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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