

Micro Commercial Components



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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

V_{R}	30V
I_{F}	200mA
I _{FRM}	300mA
I _{FSM}	600mA
P_D	200mW
$R_{\theta JA}$	625℃/W
T _{stg}	-65℃ to 125℃
Tj	-65℃ to 125℃
	I_{FRM} I_{FSM} P_D $R_{\theta JA}$ T_{stg}

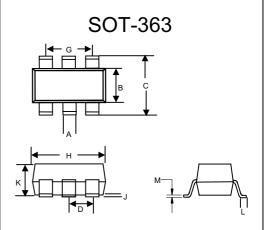
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Max.	Notes
V _F	240mV 320mV 400mV 500mV 1000mV	Note 2
I _R	2.0μA	V _R = 25V
$V_{(BR)}$	>30V	
CJ	10pF	Measured at 1.0MHz, V _R =1.0V
t _{rr}	5.0nS	$I_F = I_R = 10 \text{mA};$ $I_{REC} = 1 \text{mA}, R_L = 100 \Omega$
	V _F I _R V _(BR) C _J	$ \begin{array}{c} 240mV \\ 320mV \\ 400mV \\ 500mV \\ 1000mV \\ I_R \\ 2.0\muA \\ V_{(BR)} \\ >30V \\ C_J \\ 10pF \\ $

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

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

200mWatt, 30Volt **Schottky Barrier Diode**

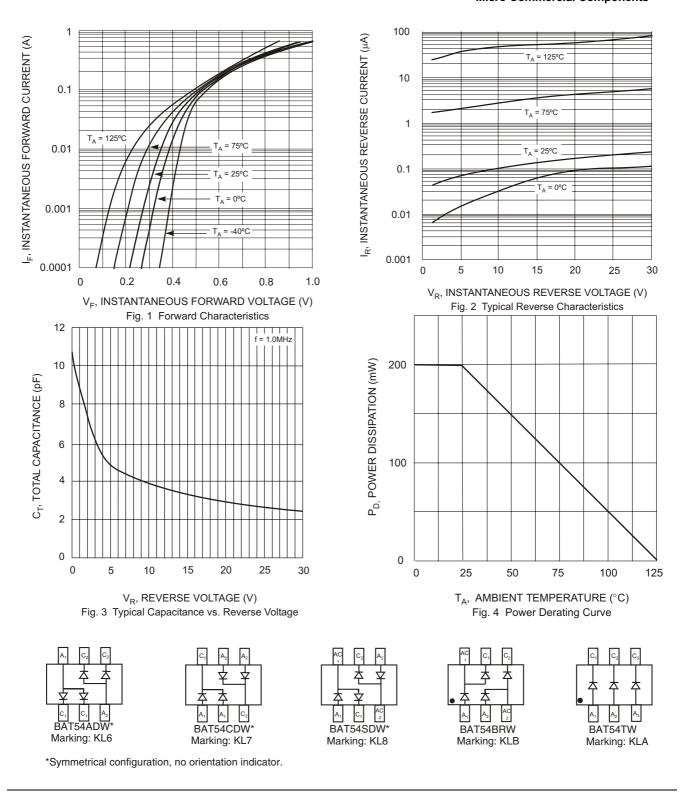


	DIMENSIONS							
	INCHES		М	М				
DIM	MIN	MAX	MIN	MAX	NOTE			
А	0.006	0.014	0.15	0.35				
В	0.045	0.053	1.15	1.35				
С	0.085	0.096	2.15	2.45				
D	0.026 Nominal		0.65 N	ominal				
G	0.047	0.055	1.20	1.40				
Н	0.071	0.087	1.80	2.20				
J		0.004		0.10				
K	0.035	0.043	0.90	1.10				
L	0.010	0.018	0.26	0.46				
М	0.003	0.006	0.08	0.15				

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BAT54TW/ADW/CDW/SDW/BRW



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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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