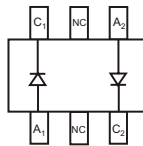


TM

# BAT54DW

## Features

- Extremely-Fast Switching Speed
- Low Forward Voltage Drop
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1



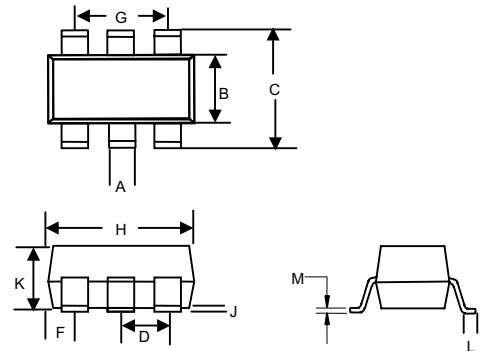
## 200mWatt, 30Volt Schottky Diodes

MARKING:KLD

## Maximum Ratings

Symbol	Rating	Rating	Unit
$V_{RRM}$	Peak Repetitive Reverse Voltage	30	V
$V_{RWM}$	Working Peak Reverse Voltage		
$V_R$	DC Blocking Voltage		
$I_F$	Forward Current	200	mA
$R_{\theta JA}$	Thermal Resistance Junction to Ambient	635	$^{\circ}C/W$
$P_D$	Power dissipation	200	mW
$T_J$	Junction Temperature	-65 to +150	$^{\circ}C$
$T_{STG}$	Storage Temperature	-65 to +150	$^{\circ}C$
$I_{FRM}$	Repetitive peak forward current	300	mA
$I_{FSM}$	Peak forward current (9t=1us)	600	mA

## SOT-363



## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Test Conditions
$V_{(BR)}$	Reverse Breakdown Voltage	30V		$I_R=10\mu A$
$I_R$	Reverse Voltage Leakage Current		2 $\mu A$	$V_R=25V$
$V_F$	Forward Voltage		0.24V	$I_F=0.1mA$
			0.50V	$I_F=30mA$
			1.0V	$I_F=100mA$
			0.32V	$I_F=1.0mA$
	0.40V		$I_F=10mA$	
$C_T$	Total Capacitance		10pF	$V_R=1V, f=1MHz$
$t_{rr}$	Reverse Recovery Time		5ns	$I_{rr}=10mA, I_R=10mA \sim 1mA$

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.004	.012	0.10	0.30	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026		0.65Nominal		
F	.012	.016	0.30	0.40	
H	.071	.087	1.80	2.20	
J	---		---		0.10
K	.035	.039	0.90	1.00	
L	.010	.016	0.25	0.40	
M	.004	.016	0.10	0.25	

## Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel