



Micro Commercial Components



Micro Commercial Components  
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# BAS40TW

## 200mW 40Volt Schottky Barrier Diode

### Features

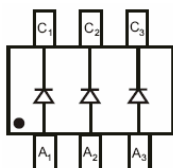
- Pow Dissipation PD=200mW Tamb=25°C
- I<sub>F</sub>=200mA
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

### Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -65°C to +125°C

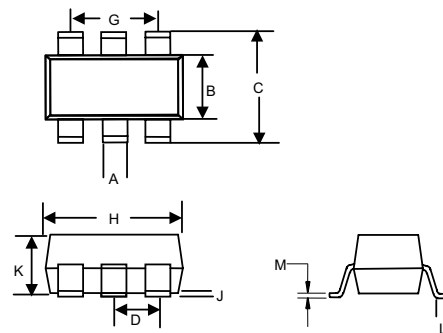
### Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Breakdown Voltage	V <sub>(BR)R</sub>	40V	I <sub>R</sub> =10μA
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	380mV 1000mV	I <sub>FM</sub> = 1mA; I <sub>FM</sub> = 40mA;
Maximum DC Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>	200nA	V <sub>R</sub> =30Volts
Typical Junction Capacitance	C <sub>D</sub>	5pF	Measured at 1.0MHz, V <sub>R</sub> =0V
Reverse Recovery Time	T <sub>rr</sub>	5nS	I <sub>F</sub> =10mA through I <sub>R</sub> =10mA to I <sub>R</sub> =1mA



Marking: K43

### SOT-363



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.006	.014	0.15	0.35	
B	.045	.053	1.15	1.35	
C	.085	.096	2.15	2.45	
D	.026		0.65Nominal		
G	.047	.055	1.20	1.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
M	.003	.006	0.08	0.15	

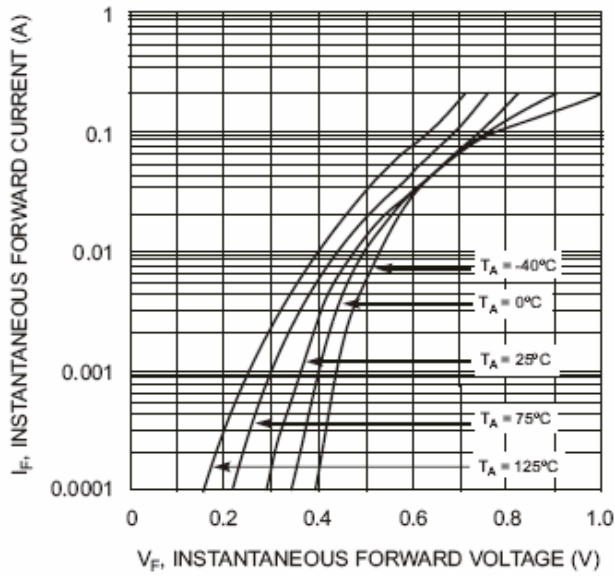


Fig. 1 Typical Forward Voltage

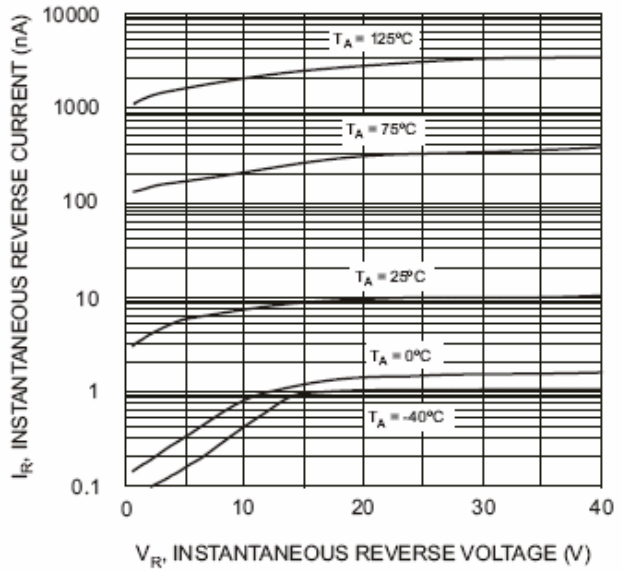


Fig. 2 Typical Reverse Characteristics

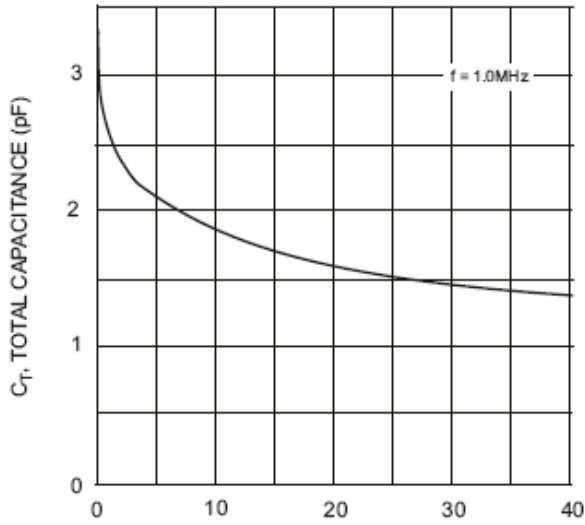


Fig. 3 Typical Capacitance

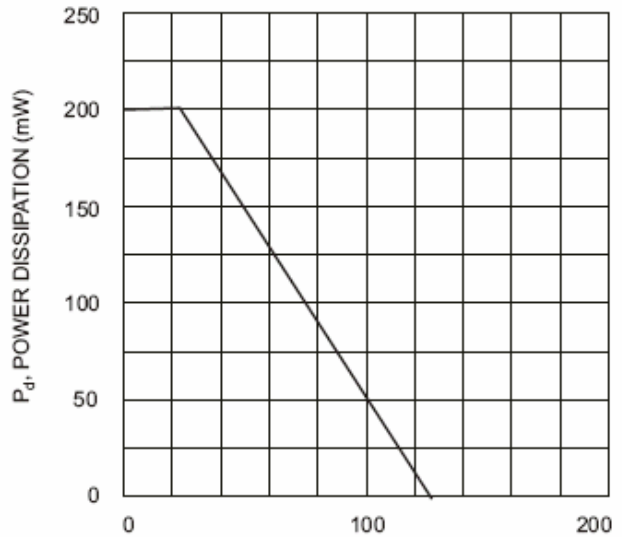


Fig. 4 Power Derating Curve, Total Package



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### Ordering Information :

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

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