



**Micro Commercial Components**

Micro Commercial Components  
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# BAS40TW

## 200mW 40Volt Schottky Barrier Diode

### Features

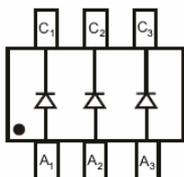
- Pow Dissipation PD=200mW Tamb=25°C
- I<sub>F</sub>=200mA
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

### Maximum Ratings

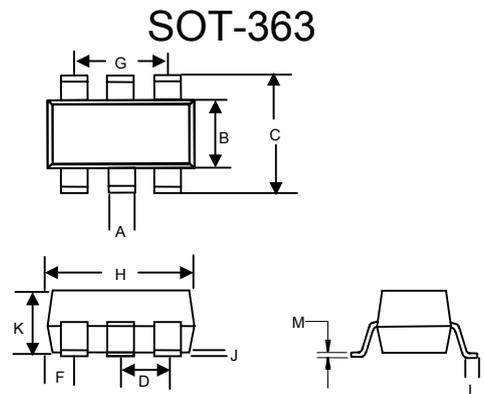
- Operating Temperature: -55°C to +125°C
- Storage Temperature: -65°C to +125°C

### 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



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	—	.004	—	0.10	
K	.035	.039	0.90	1.00	
L	.010	.016	0.25	0.40	
M	.004	.016	0.10	0.25	

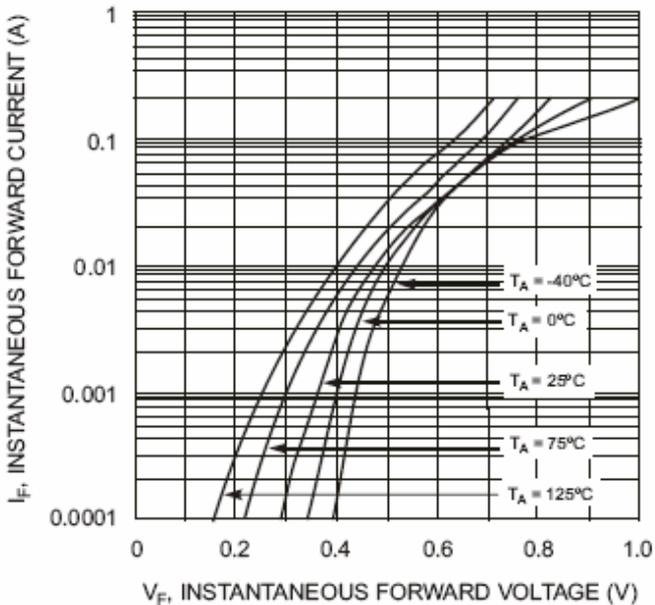


Fig. 1 Typical Forward Voltage

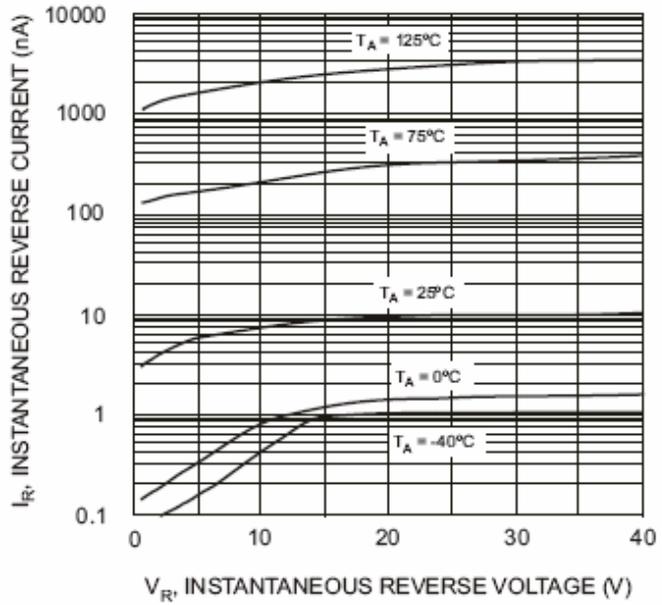


Fig. 2 Typical Reverse Characteristics

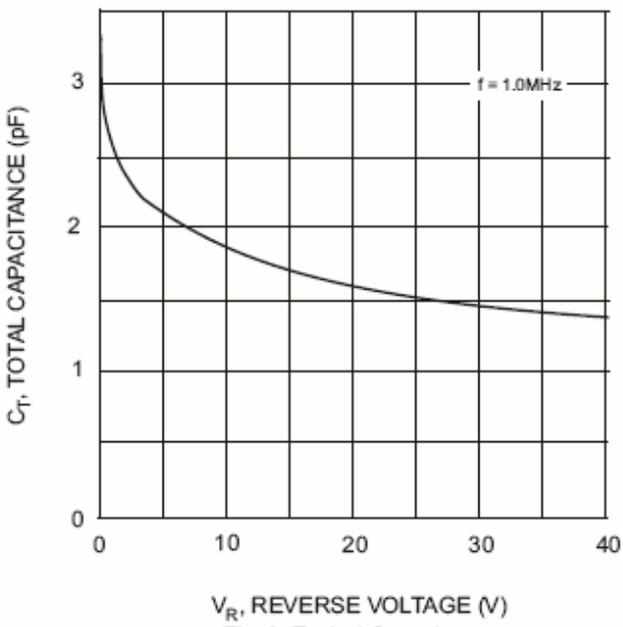


Fig. 3 Typical Capacitance

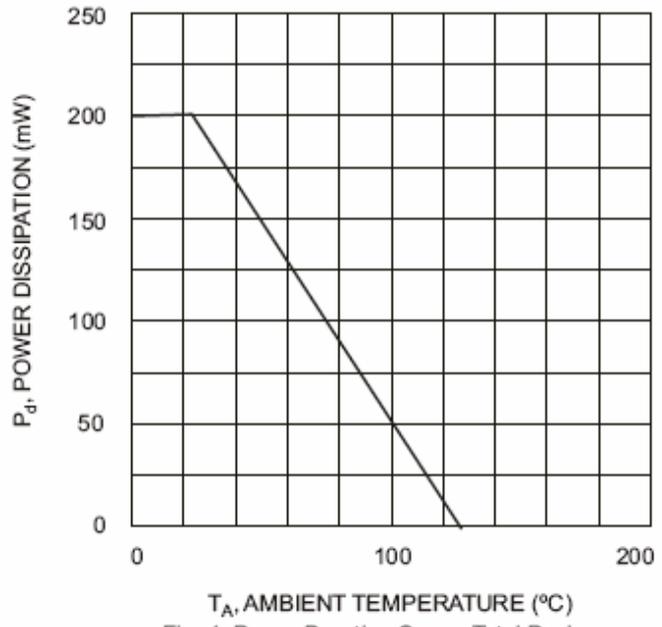


Fig. 4 Power Derating Curve, Total Package



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