



Micro Commercial Components

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BAS40TW

200mW 40Volt Schottky Barrier Diode

Features

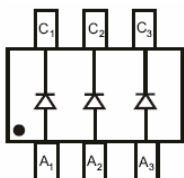
- Pow Dissipation PD=200mW Tamb=25°C
- I_F=200mA
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Maximum Ratings

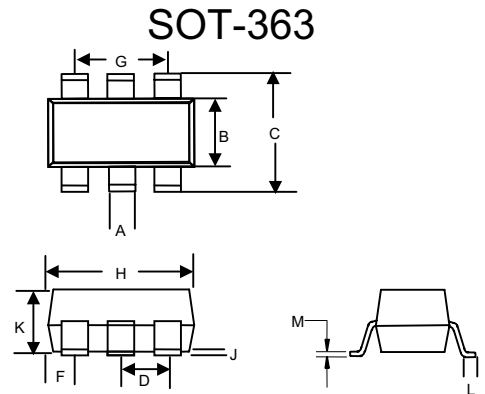
- Operating Temperature: -55°C to +125°C
- Storage Temperature: -65°C to +125°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---|--------------------|-----------------|--|
| Reverse Breakdown Voltage | V _{(BR)R} | 40V | I _R =10μA |
| Maximum Instantaneous Forward Voltage | V _F | 380mV 1000mV | I _{FM} = 1mA; I _{FM} = 40mA; |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I _R | 200nA | V _R =30Volts |
| Typical Junction Capacitance | C _D | 5pF | Measured at 1.0MHz, V _R =0V |
| Reverse Recovery Time | T _{rr} | 5nS | I _F =10mA through I _R =10mA to I _R =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 | |

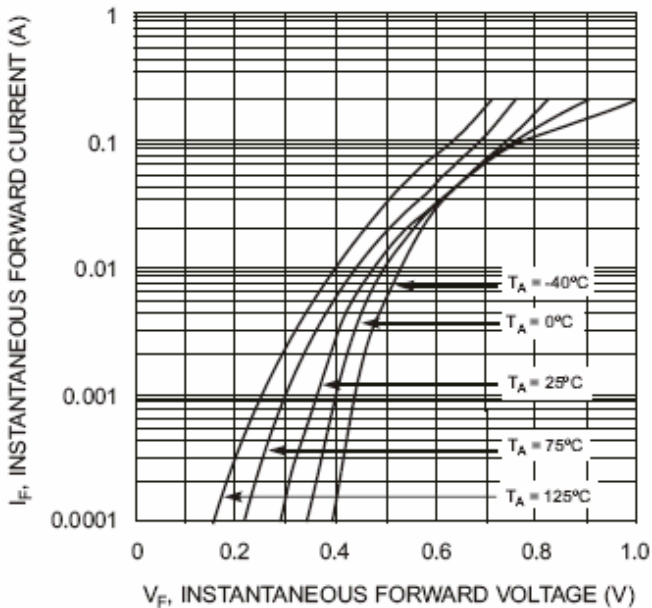


Fig. 1 Typical Forward Voltage

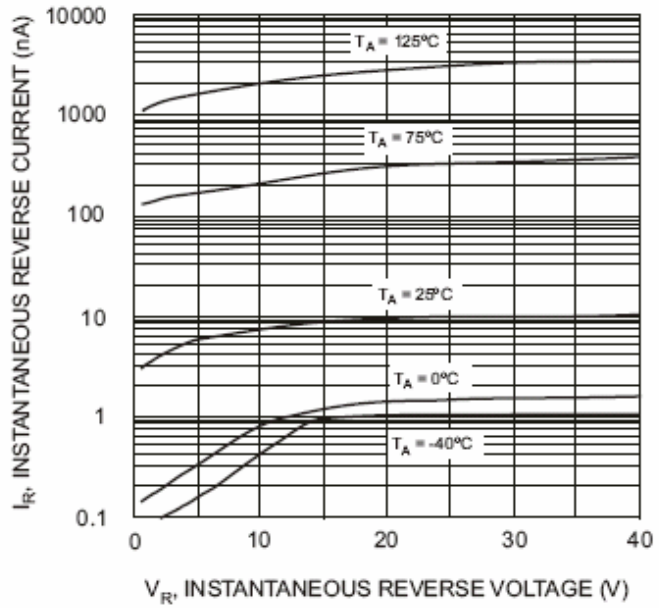


Fig. 2 Typical Reverse Characteristics

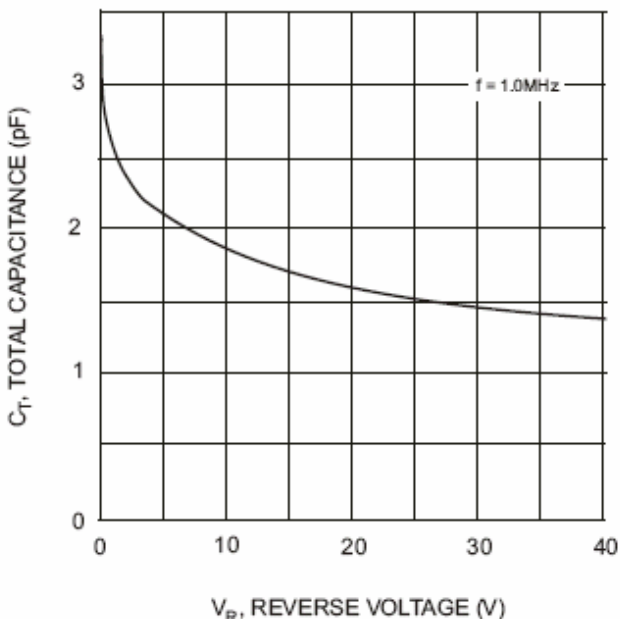


Fig. 3 Typical Capacitance

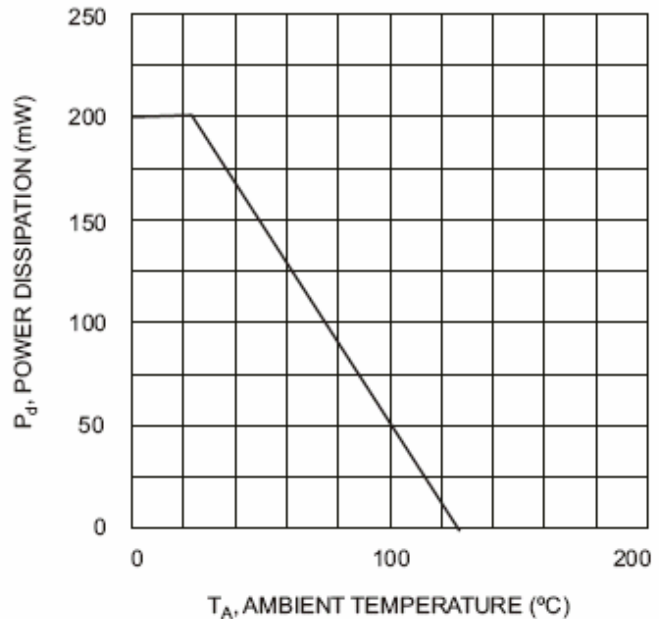


Fig. 4 Power Derating Curve, Total Package



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Ordering Information

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

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