



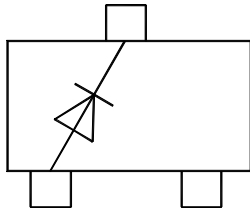
Micro Commercial Components

Micro Commercial Components
 20736 Marilla Street Chatsworth
 CA 91311
 Phone: (818) 701-4933
 Fax: (818) 701-4939

BAS16WT MMBD4148WT

Features

- Power dissipation: 200mW ($T_{amb}=25^{\circ}C$)
- Collector current: 150mA



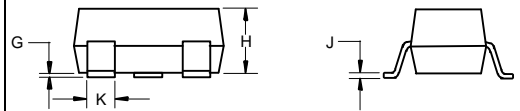
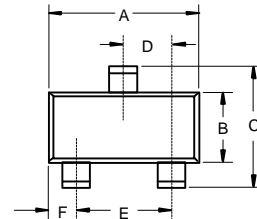
Marking: A2, KA2, KT1

200mW Switching Diode

Maximum Ratings

- Operating Temperature: $-55^{\circ}C$ to $+150^{\circ}C$
- Storage Temperature: $-55^{\circ}C$ to $+150^{\circ}C$

SOT-323



Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---|----------|----------------------------------|--|
| Reverse Voltage | V_R | 75V | $I_R=100 \mu A$ |
| Peak Forward Current | I_F | 150mA | |
| Maximum Instantaneous Forward Voltage | V_F | 0.715V 0.855 1.0V 1.25V | $I_{FM}=1mA$; $I_{FM}=10mA$; $I_{FM}=50mA$; $I_{FM}=150mA$; |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 1.0 μA | $V_R=75Volts$ |
| Diode Capacitance | C_D | 2pF | Measured at 1.0MHz, $V_R=0V$ |
| Reverse Recovery Time | T_{rr} | 4ns | $I_F=I_R=10mA$ $I_{rr}=0.1I_R$ |

DIMENSIONS

| DIM | INCHES | | MM | | NOTE |
|-----|--------------|------|-------------|------|------|
| | MIN | MAX | MIN | MAX | |
| A | .071 | .087 | 1.80 | 2.20 | |
| B | .045 | .053 | 1.15 | 1.35 | |
| C | .079 | .087 | 2.00 | 2.20 | |
| D | .026 Nominal | | 0.65Nominal | | |
| E | .047 | .055 | 1.20 | 1.40 | |
| F | .012 | .016 | .30 | .40 | |
| G | .000 | .004 | .000 | .100 | |
| H | .035 | .039 | .90 | 1.00 | |
| J | .004 | .010 | .100 | .250 | |
| K | .012 | .016 | .30 | .40 | |

Suggested Solder Pad Layout

