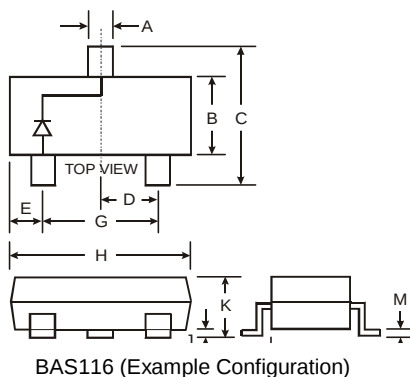
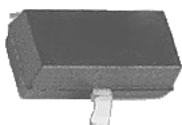


Introducing Very Low Leakage SOT-23 Diodes: BAS116, BAV170, BAV199, BAW156!



SOT-23		
Dim	Min	Max
A	0.37	0.51
B	1.19	1.40
C	2.10	2.50
D	0.89	1.05
E	0.45	0.61
G	1.78	2.05
H	2.65	3.05
J	0.013	0.15
K	0.89	1.10
L	0.45	0.61
M	0.076	0.178
All Dimensions in mm		

Key Features

1. Low leakage equivalents of BAS16, BAV70, BAV99, BAW56
2. $I_{rm} = 5.0 \text{ nA max. @ } 75 \text{ Volt } V_r, 25^\circ\text{C}.$
3. 85 Volt $V_{rrm}.$
4. Popular configurations
 - o Single diode (BAS116)
 - o Dual, common cathode (BAV170)
 - o Dual, series or doubler configuration (BAV199)
 - o Dual, common anode (BAW156)

Benefits

1. Very low reverse leakage.
2. High forward current of 140 mA.
3. Popular SOT-23 surface mount package.

Availability

- ❑ Samples *Now Available*
- ❑ Production Quantities stock to 6 weeks
- ❑ Data Sheets available NOW at: www.diodes.com.

To download selected data sheets, online viewers may click links below:

- ❑ BAS116 <http://www.diodes.com/datasheets/ds30233.pdf>
- ❑ BAV170 <http://www.diodes.com/datasheets/ds30234.pdf>
- ❑ BAV199 <http://www.diodes.com/datasheets/ds30232.pdf>
- ❑ BAW156 <http://www.diodes.com/datasheets/ds30231.pdf>

Applications

1. Data line termination and protection.
2. Signal processing.
3. Analog signal conditioning.
4. Signal “OR-ing”.
5. Anything low power, battery operated.

End Equipment Applications

- ❑ Laptops
- ❑ Hand held computers, PDA
- ❑ Mobile Phones
- ❑ PCMCIA cards
- ❑ Pagers, PCS

Crosses to Other Manufacturers' Parts

- ❑ Close cross (Industry-standard part numbers). Major competition:
 - o Philips
 - o Infineon
 - o Siemens
 - o On Semiconductor

Customer Benefits

Adds low leakage types of devices to our diode product offerings, to provide our customers the convenience of a one-stop-shop.