

Part/Keyword Search



Detailed Drawing



Printer Friendly  
Datasheet

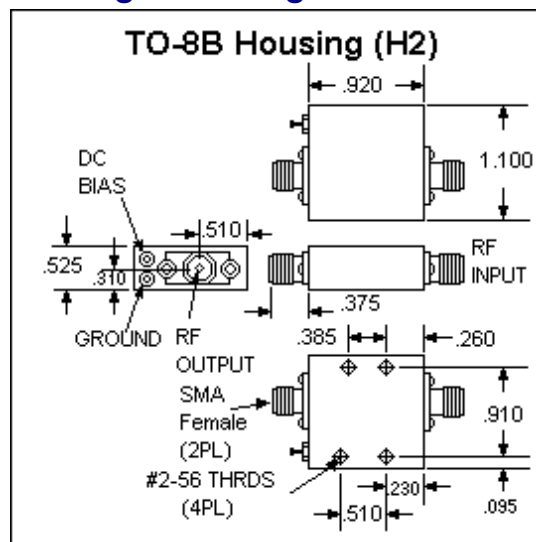
## BR8120 / SBR8120\*

\* Part number for additional environmental screening.

### Performance Data

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Frequency                       | 0.0 - 400.0 MHz                                 |
| Gain                            | 15.0 dB Typical<br>13.0 dB Min                  |
| Noise Figure                    | 5.0 dB Typical<br>6.5 dB Max                    |
| P <sub>1dB</sub>                | 9.0 dBm Typical<br>7.0 dBm Min                  |
| 3 <sup>rd</sup> Order Intercept | 21.0 dBm Typical                                |
| 2 <sup>nd</sup> Order Intercept | 25.0 dBm Typical                                |
| VSWR                            | 2.0/2.5 Input Typ/Max<br>2.2/2.5 Output Typ/Max |
| Reverse Isolation               | -18.0 dB Typical<br>-17.0 dB Min                |
| Power Supply                    | 5.0 Volts<br>25.0 mA                            |
| Operating Temperature           | -55.0 - 125.0 °C                                |

### Package Drawing



### Gain

dB



Frequency (MHz)

### Noise Figure

dB



Frequency (MHz)

### P<sub>1dB</sub> Compression Point

dBm



Frequency (MHz)

### Reverse Isolation

dB



**Frequency (MHz)**

## **Input VSWR**



**Frequency (MHz)**

## **Output VSWR**



**Frequency (MHz)**

## **Absolute Maximum Conditions**

|                                    |                  |                                             |                  |
|------------------------------------|------------------|---------------------------------------------|------------------|
| Maximum Operating Temperature      | -55.0 - 125.0 °C | Maximum Storage Temperature                 | -62.0 - 125.0 °C |
| Maximum Case Temperature           | 125.0 °C         | Maximum Supply Current                      | 55.0 mA          |
| Continuous RF Input Power          | 13.0 dBm         | Short Term RF Input Power<br>(1 minute max) | 50.0 mW          |
| Maximum Peak Power<br>(3 µsec max) | 0.5 W            |                                             |                  |

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