



# R347B Millimeter-Wave Noise Source, R-Band

Data Sheet

**Frequency Range:**

26.5 to 40 GHz

**Excess Noise Ratio (ENR) Range:**

26.5 to 40 GHz: 10 to 13 dB

**Maximum SWR (reflection coefficient):**

Source Off: <1.42 (0.17)

Source On: <1.31 (0.13)

**Power Required:**

28 V  $\pm$ 1 V (automatically supplied by the Agilent 8970B Noise Figure Meter)

**Maximum Reverse Power:**

100 mW

**Connectors:**

Bias: BNC (f)

Noise Output:

Q-Band Waveguide

G-599/U Flange

**ENR Variation with Voltage:**

<0.005 dB/V

**ENR Variation with Temperature:**

<0.009 dB/ $^{\circ}$ C

**Switching Speed:**

<10  $\mu$ s

**Operating Temperature:**

0 to 55  $^{\circ}$ C

**Dimensions:**

52 mm x 108 mm x 60 m (2.1 in x 4.3 in x 2.4 in)

**Net Weight:**

0.21 kg (0.46 lb)

**Shipping Weight:**

0.36 kg (0.80 lb)



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