



Q347B Millimeter-Wave Noise Source, Q-Band

Data Sheet

Frequency Range:

33 to 50 GHz

Excess Noise Ratio (ENR) Range:

33 to 42 GHz: 10 to 13 dB

42 to 50 GHz: 6 to 12.5 dB

Maximum SWR (reflection coefficient):

Source Off: <1.57 (0.22)

Source On: <1.46 (0.19)

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

UG-383/U Flange

ENR Variation with Temperature:

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

ENR Variation with Voltage:

<0.005 dB/V

Switching Speed:

<10 μ s

General Characteristics

Operating Temperature:

0 to 55 $^{\circ}$ C

Dimensions:

53 mm x 108 mm x 62 mm (2.1 in x

4.3 in x 2.5 in)

Net Weight:

0.23 kg (0.51 lb)

Shipping Weight:

0.38 kg (0.85 lb)



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