



HP 11721A Frequency Doubler

The HP 11721A doubler is an ideal accessory for extending the usable frequency range of signal generators, frequency synthesizers, or other signal sources. Operating on input frequencies of 50 MHz to 1300 MHz, it provides a doubled output in the range of 100 MHz to 2600 MHz. The HP 11721A will work well with any RF source with an output in the range of 50 to 1300 MHz.

The 50 Ω passive circuit of the HP 11721A offers low conversion loss, low spurious, and excellent flatness over its entire frequency range when operated above +10 dBm.

HP 11721A Specifications

Input Frequency Range: 50 to 1300 MHz

Output Frequency Range: 100 to 2600 MHz

Conversion Loss (+13 dBm input, 50 to 1280 MHz): < 15 dB

Spurious Referenced to Desired Output Frequency f:

(+ 13 dBm input with harmonics < -50 dBc, 50 to 1280 MHz):

f/2, -15 dB; 3f/2, -15 dB

Input SWR: 1.5 typical

Input/Output Impedance: 50 Ω nominal

Operating Temperature Range: 0° to 50° C

Connectors: Input, type-N male; output, type-N female

Size: 161 mm L x 30 mm W x 20.5 mm H (6.38 in x 1.19 in x .19 in)

Weight: Net, .02 kg (0.5 lb); shipping, 0.4 kg (1 lb)

Ordering Information

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