k346 - Broadband Calibrated Coaxial Noise Sources

0.01GHz to 67GHz

Each unit includes calibrated ENR reports traceable to NIST and VSWR on/off data, with flatness better than ±1.0 dB over the frequency range.

Standard operation requires +28Vdc with a maximumcurrent draw of 30mA, while custom voltage, output levels, and frequencies are also available.

kTB Broadband Calibrated Coaxial Noise Sources

kTB k346 - Broadband Calibrated Coaxial Noise Sources are designed for precision noise figure measurement applications, offering exceptional accuracy and reliability.

With low VSWR, they significantly reduce multiple reflections, enhancing measurement accuracy and minimizing uncertainty.

General Specifications

- Input Voltage via BNC(F): +28+/-2 Vdc
- Noise Output Temperature Variation: < 0.009 dB/ deg C
- Noise Output Variation: < 0.002 dB/% ΔV
- Maximum Reverse Power: 1 Watt
- Operating Temperature: 0°C to +55°C
- Storage Temperature: -65°C to +125°C
- Calibration Points: 10 MHz, every GHz

Key Features:

- **Broadband Coverage:** Ideal for a wide range of noise figure measurement and built-in test applications.
- **Superior Stability:** Outstanding temperature and voltage stability ensures consistent performance.
- **Precision and Compatibility:** Noise figure meter-compatible with 6, 15, and 23 dB ENRs (Excess Noise Ratios).
- **Industry Standard Design:** Compact housing with various connector options for easy integration.

Model	Frequency Range (GHz)	Output ENR (dB)	I (max) (mA)	Connector
k346A	0.01-18	5-7	30	SMA (M)
k346B	0.01-18	14-16	30	SMA (M)
k346C	0.1-26.5	13-17	30	APC3.5 (M)
k346Ka	0.1-40	10-17	30	K (M) **
k346V	0.1-67	7-21	30	V (M)

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