

BROADBAND CALIBRATED NOISE STANDARDS

10kHz TO 26.5GHz



BROADBAND CALIBRATED OUTPUT CHARACTERISTICS

FOR USE WITH NOISE FIGURE METERS

MODEL	FREQUENCY	OUTPUT ENR	VSWR 0.01-5 GHz	VSWR 5-18GHz	VSWR 18-26.5 GHz
NS-346A*	.01-18 GHz	5-7 dB	1.15:1	1.25:1	
NS-346B*	.01-18 GHz	14-16 dB	1.15:1	1.25:1	
NS-346C*	.01-26.5 GHz	14-16 dB	1.15:1	1.25:1	1.35:1
NS-346D*	.01-18 GHz	19-25 dB	1.15:1	1.25:1	

*Type N-Male or SMA-Male connector + 3.5mm connector

BROADBAND OUTPUT CHARACTERISTICS

FOR USE IN SYSTEMS

MODEL	FREQUENCY	RF OUTPUT EXCESS NOISE RATIO (dB)	STYLE CODES
NSL-2	1MHz-1000MHz	30±1	N, Y
RFN/30-10	10kHz-1.0GHz	30(MIN)	N, Y
RFN/25L	1.0-2.0 GHz	30(MIN)	N, Q, X, W, Y
RFN/25S	2.0-4.0 GHz	30(MIN)	N, Q, X, W, Y
RFN/25C	4.0-8.0 GHz	30(MIN)	N, Q, X, W, Y
RFN/25X	8.0-12.0 GHz	25(MIN)	N, Q, X, W, Y
RFN/25KU	12.4-18.0 GHz	25(MIN)	N, Q, X, W, Y
* NST/04	.01-4GHz	25(MIN)	Y
* NST/18	.01-18GHz	25(MIN)	Y
* NST/26	.10-26GHz	25(MIN)	Y

*TTL compatible, switching speed <500nSec

BROADBAND CALIBRATED OUTPUT CHARACTERISTICS

FOR USE IN SYSTEMS

MODEL	FREQUENCY	RF OUTPUT ENR	VSWR (MAX)	CALIBRATION FREQUENCIES GHz	STYLE CODES
NS-0218	2.0 - 18.0 GHz	15.5 ± .5	1.3:1	2.0,4.0,8.0,10.0, 12.0,14.0,16.0 18.0	N, Y
NS-0226	2.0 - 26.5 GHz	15.5 ± 1	1.5:1	2.0,4.0,8.0,10.0, 12.0,14.0,16.0,18.0, 20.0,22.0,24.0,26.5	N, Y

DESCRIPTION

Broadband Calibrated Noise Standards are portable, hand-held “test tools” designed for use in the lab or in the field as part of the Automated Test Environment (ATE). They are compatible with noise figure meters and can be used to test a wide range of parameters. Broadband Calibrated Noise Standards are also designed to provide an internal calibration function in microwave equipment and systems.

SPECIFICATIONS

- ▢ Operating Temperature: -55 to +95°C
- ▢ Storage Temperature: -65 to +125°C
- ▢ Supply Voltage: +28 VDC
- ▢ Temperature Stability: .01 dB/°C
- ▢ Output Impedance: 50 ohm
- ▢ Peak Factor: 5:1

APPLICATIONS

- ▢ EMI testing
- ▢ Noise figure measurement
- ▢ Radiometer systems

FOR OUTLINE DRAWINGS
REFER TO PAGE 24