

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

nc346 series

BROADBAND CALIBRATED NOISE SOURCES FOR NOISE FIGURE MEASUREMENTS



Noise Com's *NC346 Series* is designed for precision noise figure measurement applications. The VSWR has been improved, reducing multiple reflections of the test signals and significantly increasing the measurement accuracy of most noise figure set-ups.

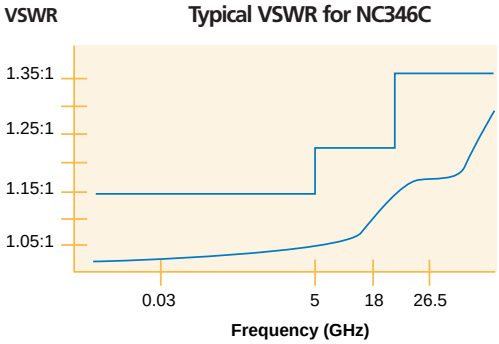
The *NC346 Series* noise sources have broadband coverage and extremely good temperature and voltage stability, for the finest noise figure meter-compatible laboratory standards. Outputs of 6, 15.5 and 22 dB ENR are available, allowing the units to accurately measure noise figures up to 20, 30 and 36 dB respectively. Each *NC346* is packaged in an attractive wooden box for maximum protection during shipment.

The return loss of the noise sources is measured in both the on and off states and is included in the calibration report provided with each noise source up to 40 GHz. Each noise source is also supplied with calibration data traceable to NIST.

General Specifications:

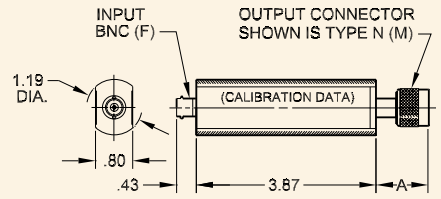
Calibration	1 GHz steps
Temperature coefficient	Less than 0.009 dB/˚C
Operating temperature	0˚C to +55˚C
Input power	+28 VDC ±2 VDC at 15 mA typical for NC346 A, B & D
VSWR	Less than 1.15:1 from 10 MHz — 5 GHz for units with 5 – 7 dB or 14 –16 dB ENR
Regulator	Built-in
Voltage coefficient	Less than 0.002 dB/%ΔV

Specifications subject to change without notice.



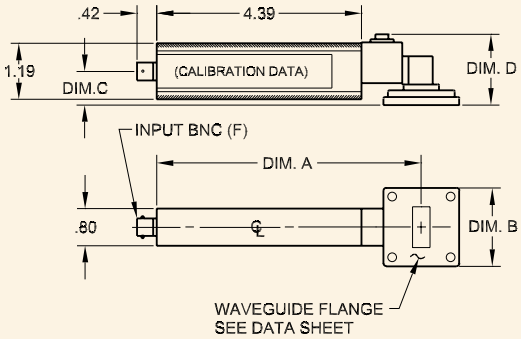
NOISE/COM

NC346 Coaxial Series Dimensions (inches)



CONNECTOR	DIM A (in.)
SMA Male	0.50
APC 3.5 Male	0.50
N Male	1.14
APC 7	1.30
N Female	0.94
K Male	0.46
V Male	0.85

NC346 Waveguide Series (inches)



WAVEGUIDE FLANGE CHART

WAVEGUIDE TYPE	DIM A (in.)	DIM B (in.)	DIM C (in.)	DIM D (in.)
WR75	5.25	1.50 SQ	.98	1.60
WR90	5.68	1.68 SQ	72	1.50
WR229	6.02	3.87	1.10	2.09

NC346 COAXIAL SERIES

MODEL	RF CONNECTOR	FREQUENCY (GHz)	OUTPUT ENR (dB)	VSWR (maximum @ on/off) 0.01 - 5 GHz	5 - 18 GHz	18 - 26.5 GHz	26.5 - 40 GHz	40 - 60 GHz	I (max) (mA)
NC346A	SMA Male	0.01 - 18.0	5 - 7	1.15:1	1.25:1				30
NC346A Precision	APC3.5 Male	0.01 - 18.0	5 - 7	1.15:1	1.25:1				30
NC346A Option 1	N Male	0.01 - 18.0	5 - 7	1.15:1	1.25:1				30
NC346A Option 2	APC7	0.01 - 18.0	5 - 7	1.15:1	1.25:1				30
NC346A Option 4	N Female	0.01 - 18.0	5 - 7	1.15:1	1.25:1				30
NC346B	SMA Male	0.01 - 18.0	14 - 16	1.15:1	1.25:1				30
NC346B Precision	APC3.5 Male	0.01 - 18.0	14 - 16	1.15:1	1.25:1				30
NC346B Option 1	N Male	0.01 - 18.0	14 - 16	1.15:1	1.35:1				30
NC346B Option 2	APC7	0.01 - 18.0	14 - 16	1.15:1	1.25:1				30
NC346B Option 4	N Female	0.01 - 18.0	14 - 16	1.15:1	1.35:1				30
NC346C	APC3.5 Male	0.01 - 26.5	13 - 17	1.15:1	1.25:1	1.35:1			30
NC346D	SMA Male	0.01 - 18.0	19 - 25*	1.50:1	1.50:1				30
NC346D Precision	APC3.5 Male	0.01 - 18.0	19 - 25*	1.50:1	1.50:1				30
NC346D Option 1	N Male	0.01 - 18.0	19 - 25*	1.50:1	1.75:1				30
NC346D Option 2	APC7	0.01 - 18.0	19 - 25*	1.50:1	1.50:1				30
NC346D Option 3	N Female	0.01 - 18.0	19 - 25*	1.50:1	1.75:1				30
NC346E	APC3.5 Male	0.01 - 26.5	19 - 25*	1.50:1	1.50:1	1.50:1			30
NC346Ka	K Male**	0.10 - 40.0	10 - 17	1.25:1	1.30:1	1.40:1	1.50:1		30
NC346V	V Male***	0.10 - 55.0	7 - 21	1.50:1	1.50:1	1.75:1	2.00:1	2.50:1	30

* Flatness better than ±2 dB ** Compatible with SMA and APC3.5 *** Compatible with APC2.4, data provided to 60 GHz

NC346 WAVEGUIDE SERIES WITH BUILT-IN ISOLATOR*

MODEL	FLANGE	FREQUENCY (GHz)	ENR (dB)	VSWR (on/off)	I (max) (mA)
NC346B-WR229	CPR229F	3.7 - 4.2	14 - 16**	1.20:1	30
NC346B-WR90	UG39/U	8.5 - 9.6	14 - 16**	1.20:1	30
NC346B-WR75	UBR120	10.5 - 13.0	14 - 16**	1.20:1	30

* Inquire for other flanges or waveguide sizes
** Flatness better than ±0.15 dB

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP