

What I have:

- 1x Agilent 355C VHF Attenuator Serial #: 3646A45580
- 1x Agilent 355D VHF Attenuator Serial #: 3646A47852
- 1x Narda Med Pwr Attenuator 768-10 (Serial #: 03004)
- 1x Weinschel Engineering 10dB Attenuator Fixed 25W DC-18GHz Model 46-10-43 Serial #: AU5551
- 1x 0-132DB VARIABLE/ STEP ATTENUATOR DC to 1MHZ

Pictures as well as brief description of Test Equipment below.

Note: I do also have some other test equipment available for the very serious experimenter:

- HP/AGILENT 8495A/1 STEP ATTENUATOR, 0-70 DB, 10dB steps, DC-4 GHZ, OPT. 1
- HP/AGILENT 8495B/1 STEP ATTENUATOR, 0-70 DB, 10dB steps, DC-18 GHZ
- HP/AGILENT 8494B/1 STEP ATTENUATOR, 0-11 DB, 1dB steps, DC-18 GHZ, OPT. 2, N" connectors

## Description of Keysight Technologies (Agilent HP) 355D

Hewlett Packard 355D VHF Step Attenuator VHF, DC to 1GHz 120dB, 10dB Steps, 50ohms

**Condition:** Used/Good

**Price:** \$225

HP 355D Datasheet: [https://used-line.com/Specs\\_URL/07/3007.pdf](https://used-line.com/Specs_URL/07/3007.pdf)

The Agilent **355D**, dc to 1000 MHz, manual step attenuator provides precision step attenuation in 10 dB steps from 0 to 120 dB. Attenuator sections are inserted and removed by cam-actuated microswitches which keep lead lengths short. This design minimizes stray capacitances and inductances, and keeps phase shift to a minimum. The Agilent 355D is a compact and rugged unit in which the component parts are rigidly positioned and well-shielded so that neither stray pickup nor signal leakage is a problem. *It may be connected with the 355C in series to provide precision attenuation in 1 dB steps from 0 to 132 dB.* Either terminal may be connected as input or output.

- Broad frequency coverage - Range: dc to 1 GHz
- Attenuation Range: 0 to 120 dB, 10 dB steps
- Overall accuracy:  $\pm 0.3$  dB to 120 dB at 1000 Hz;  $\pm 1.5$  dB to 90 dB below 1000 MHz;  $\pm 3$  dB to 120 dB below 1000 MHz
- Measure gain, attenuation, frequency response
- Calibrated signal sources
- Insertion Loss at 0 dB: 0.2 dB + 2.3 dB.GHz

- Low SWR and negligible leakage - Maximum SWR: 1.2 to 250 MHz, 1.3 to 500 MHz, 1.5 to 1 GHz
- Impedance: 50 ohms nominal
- Power handling capability: 0.5 watt average, 350 watts peak
- Repeatability Life: 0.03 dB maximum, 0.5 million cycles per section
- Maximum RF Input Power: 0.5 W (average), 350 W (peak)
- Connector Type: BNC female

## Description of Keysight Technologies (Agilent HP) 355C

Hewlett Packard 355C VHF Step Attenuator VHF, DC to 1GHz 12dB, 1dB Steps, 50ohms

**Condition:** Used/Good

**Price:** \$125

HP 355C Datasheet: [https://used-line.com/Specs\\_URL/07/3007.pdf](https://used-line.com/Specs_URL/07/3007.pdf)

The Agilent **355C** dc to 1000 MHz manual step attenuator provides precision step attenuation in 1 dB steps from 0 to 12 dB. Attenuator sections are inserted and removed by cam-actuated microswitches which keep lead lengths short. This design minimizes stray capacitances and inductances, and keeps phase shift to a minimum. The Agilent 355C is a compact and rugged unit in which the component parts are rigidly positioned and well-shielded so that neither stray pickup nor signal leakage is a problem. Either terminal may be connected as input or output.

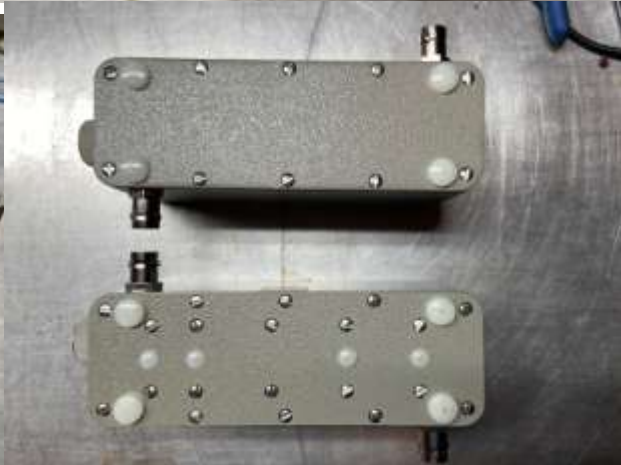
- Broad frequency coverage - Range: dc to 1 GHz
- Attenuation Range: 0 to 12 dB, 1 dB steps
- Overall accuracy:  $\pm 0.1$  dB at 1000 MHz;  $\pm 0.25$  dB dc, to 500 MHz;  $\pm 0.35$  dB, dc to 1000 MHz
- Measure gain, attenuation, frequency response
- Calibrated signal sources
- Impedance: 50 ohms nominal
- Power handling capability: 0.5 watt average, 350 watts peak
- Insertion Loss at 0 dB: 0.2 dB + 2.3 dB/GHz
- Low SWR and negligible leakage - Maximum SWR: 1.2 to 250 MHz, 1.3 to 500 MHz, 1.5 to 1 GHz
- Repeatability Life: 0.03 dB maximum, 0.5 million cycles per section
- Maximum RF Input Power: 0.5 W (average), 350 W (peak)
- Connector Type: BNC female, optional Type-N female and TNC female

**Package Deal:**

The Agilent **355C** and **355D** attenuators may be connected in series to provide precision attenuation in 1 dB steps from 0 to 132 dB.

**Package Price: \$300**





Note: I actually have a 2<sup>nd</sup> set of this attenuator pair which is from HP. While they are in good shape the pair shown above is actually in better shape.

### 1xNarda Med Pwr Attenuator 768-10 (Serial #: 03004)

- **Condition:** Used/Good
- **Price:** \$75
- **Unit Description**
  - NARDA 768-10 10 dB Attenuator, 20 Watts, DC-11 GHz, Connector: Type-N Male/Female
  - The 768 series is designed for high power attenuation applications in the RF and microwave frequency range. Accuracy is  $\pm .75$  dB over the entire range.
    - **Features:**
      - Frequency Range: dc to 11 GHz
      - 20 W continuous power
      - 50 ohm impedance
      - SWR: 1.30 (max.)
      - Type N connectors; one N(f), one N(m)
      - Shipping weight: 2 lb
      - Datasheet:  
<https://www.bellnw.com/downloads/datasheet/narda/765.pdf>

Unit sells for \$150 at various reputable Test Equipment Sites!





**1xWeinschel Engineering 10dB Attenuator Fixed 25W DC-18GHz Model 46-10-43 Serial #: AU5551**

- **Condition:** Used/Good
- **Price:** \$75
- **Specifications**
  - NOMINAL IMPEDANCE:50  $\Omega$
  - FREQUENCY RANGE: DC to 18.0 GHz (+/- 0.50)
  - POWER RATING (mounted horizontally): 25 watts average (bi-directional) to 25°C ambient temperature, derated linearly to 2.5 watts @ 125°C.
    - 1 kilowatt peak(5 $\mu$ sec pulse width; 1.25% duty cycle).
  - POWER COEFFICIENT: <0.0006 dB/dB/watt
  - TEMPERATURE COEFFICIENT:<0.0004 dB/dB/°C
  - TEMPERATURE RANGE: -55°C to 125°C
    - very stable and remain precision calibrated over wide ranges of humidity, temperature, and other ambient conditions for long periods of time!
  - CONNECTORS: Type N connectors per MIL-STD-348 interface dimensions
    - mate nondestructively with MIL-C-39012 connectors.
      - Side 1: Type N Male
      - Side 2: Type N Female
  - CONSTRUCTION: Black, finned aluminum body, stainless steel connectors with gold plated beryllium copper contacts.
  - WEIGHT: 110 g (4 oz.) maximum



**1x 0-132DB VARIABLE/ STEP ATTENUATOR DC to 1MHZ**

- **Condition:** Used/Good
- **Price:** \$50





2010 Inventory 0009



**NY3B**

Yosnu FT1012D  
3 Elm Maskey CL33  
8040m Vertical  
03CC-38MA5-TPA212  
Edhigh County  
FNDhs



BY TESTID  
D/C



**NY3B**

Yosnu FT1012D  
3 Elm Maskey CL33  
8040m Vertical  
03CC-38MA5-TPA212  
Edhigh County  
FNDhs