

# RFA1300 Series

HIGH POWER CONVECTION COOLED ATTENUATORS

## Features:

- High power
- Robust, high quality construction
- Wide variety of connectors and dB values
- Low intermodulation performance



## Specifications:

- Impedance: 50 Ohms
- Frequency: DC - 2.4 GHz
- Attenuation range: 3 – 40 dB (3, 10, and 30 dB standard)
- Attenuation Accuracy: DC to 1 GHz , +/-0.75 dB  
1 GHz to 2.4 GHz, +/-1 dB
- VSWR: DC to 1 GHz , 1.15:1  
1 GHz to 2.4 GHz, 1.20:1
- Power: 1300 Watts CW Max, @ 25C ambient
- Peak Power: 2KW Max (100  $\mu$ sec pulse width, 1% Duty Cycle)
- Connectors: Type-N female/male, 7/16 DIN female/male
- Weigh: 17 lbs (7.7 Kg) Max
- Size: 15.08" x 6.63" x 6.13"  
(383.08 mm x 168.28mm x 155.58 mm)
- Cooling Fin: Aluminum, black anodized

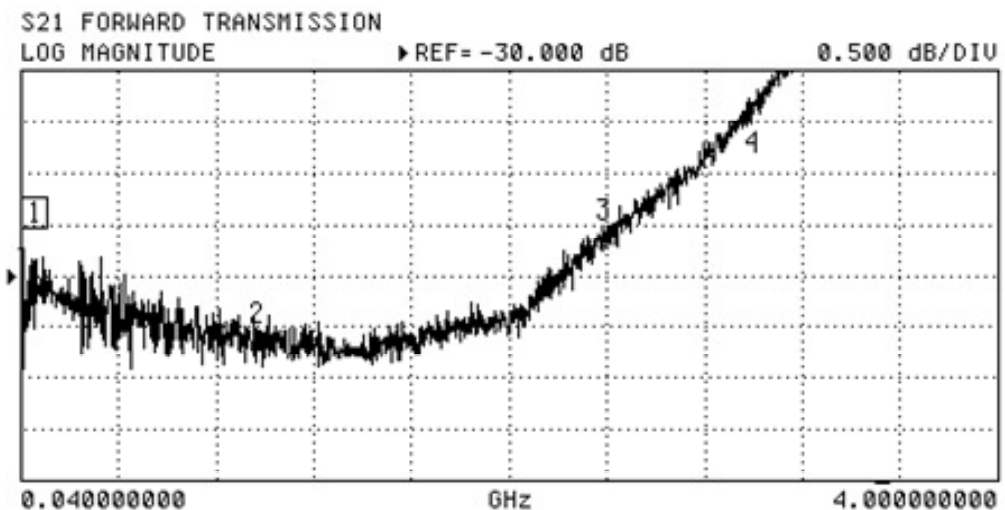
P.O. BOX 18802, Clearwater, FL 33762  
1-800-526-0704

# RFA1300 Series

## HIGH POWER COAXIAL ATTENUATOR

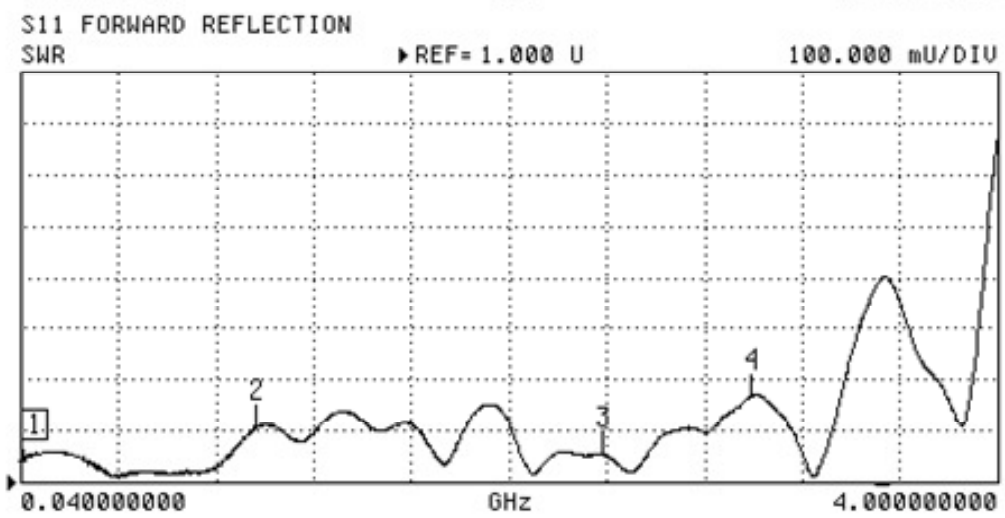
### Measured RF Data:

Typical performance of a 30dB attenuator



CH 1 - S21  
 0.0000 mm REF  
 0.000 dB OFFSET  
 0.00° OFFSET

▶ MARKER 1  
 0.040000000 GHz  
 -29.744 dB



MARKER TO MAX  
 MARKER TO MIN

2    1.000000000 GHz  
      -30.738 dB

3    2.400000000 GHz  
      -29.732 dB

4    3.000000000 GHz  
      -28.324 dB

MARKER READOUT  
 FUNCTIONS

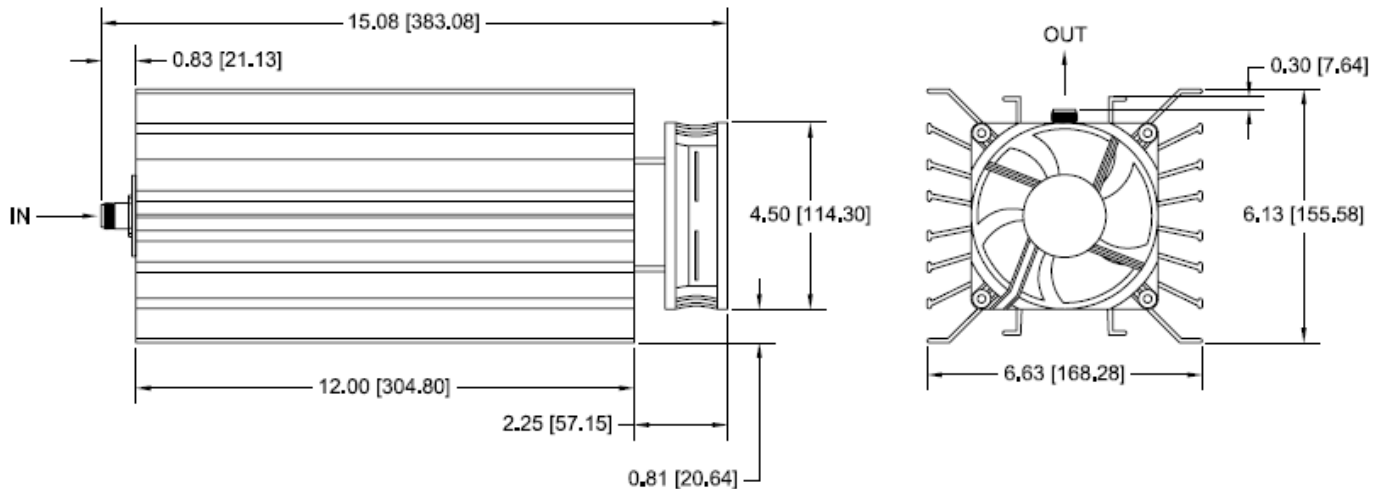
RES-NET MICROWAVE

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## HIGH POWER COAXIAL ATTENUATOR

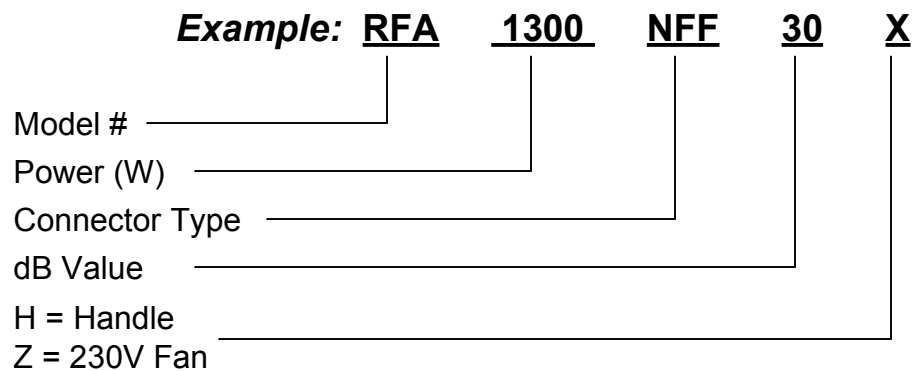
### Mechanical Outline



Dimensions in inches [mm]

### Ordering Information:

Part Number is a combination of model, power (W), connector type and dB value



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# Electro Technik Industries

RES-NET MICROWAVE

## Capacitive Products

**Arizona Capacitors, Inc.**  
1100 S. Plumer Avenue, Tucson, AZ 85719  
tel: 520-573-0221 fax: 520-573-0520  
azcapsales@electrotechnik.com  
www.arizonacapacitors.com

- Wound Film Capacitors and Electronic Filters

**Custom Suppression, Inc.**  
1100 S. Plumer Avenue, Tucson, AZ 85719  
tel: 520-573-0223 fax: 520-573-0520  
csisales@electrotechnik.com  
www.customsuppression.com

- Broadband, Microwave, EMI, and RFI Filters, Filtered Connectors, and Assemblies

## Microwave Products

**Res-Net Microwave, Inc.**  
P.O. Box 18802, Clearwater, FL 33762  
tel: 727-530-9555 fax: 727-531-8215  
res\_sales\_service@electrotechnik.com  
www.res-netmicrowave.com

- RF/Microwave Resistors, Attenuators, Terminations

**Wavetronix Corp.**  
P.O. Box 18802, Clearwater, FL 33762  
tel: 727-530-9555 fax: 727-531-8215  
wave\_sales\_service@electrotechnik.com  
www.wavetronix-eti.com

- RF/Microwave Cable Assemblies and Semi-Rigid Coaxial Cables

## Resistive Products

**Tepro of Florida, Inc.**  
P.O. Box 18802, Clearwater, FL 33762  
tel: 727-796-1044 fax: 727-791-7425  
tep\_sales\_service@electrotechnik.com  
www.tepro-vamistor.com

- Wirewound and Metal Film Resistors

**Vamistor**  
P.O. Box 1260, Clearwater, FL 33757  
tel: 727-796-1044 fax: 727-791-7425  
tep\_sales\_service@electrotechnik.com  
www.tepro-vamistor.com

- Carbon Film and RL 42 Resistors

## Magnetics Products

**Hytronics Corp.**  
P.O. Box 18802, Clearwater, FL 33762  
tel: 727-535-0413 fax: 727-531-1592  
hy\_sales\_service@electrotechnik.com  
www.hytronicscorp.com

- Power Transformers and Power Inductors

**Raycom Electronics, Inc.**  
P.O. Box 250, 1 Raycom Rd.  
Dover, PA 17315  
tel: 717-292-3641 fax: 717 292-2919  
raycomsaleservice@electrotechnik.com  
www.raycomelectronics.com

- Custom Military and Avionics Magnetics

## Goguen Industries

1100 S. Plumer Avenue, Tucson, AZ 85719  
tel: 520-573-0221 fax: 520-573-0520  
goguensales@electrotechnik.com  
www.goguenindustries.com

- Specialty Inductors, Transformers, and Air Coils

**Inductive Technologies, Inc. (I-Tech)**  
P.O. Box 18802, Clearwater, FL 33762  
tel: 727-532-4459 fax: 727-531-1592  
i-techsales@electrotechnik.com  
www.inductech.com

- Standard Catalog Inductors and Transformers

**Winatic Corp.**  
P.O. Box 18802, Clearwater, FL 33762  
tel: 727-538-8917 fax: 727-531-1592  
win\_sales\_service@electrotechnik.com  
www.winatic.com

- Transformers and Inductors for Medical Devices and Equipment

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