

# RNZD Series

## ZERO-BIASED SCHOTTKY DIODE DETECTOR

The RNZD series of diode detectors offer a low junction capacitance and excellent sensitivity and bandwidth. Their response is an order of magnitude faster than conventional PN diodes making them ideal for RF and microwave applications.

### Features:

- Low Junction Capacitance
- Broad band performance
- Low VSWR
- Excellent flatness
- Positive or Negative polarity



### Specifications (at +25°C and -20dBm Input):

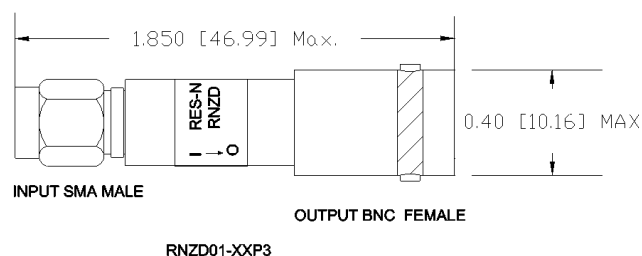
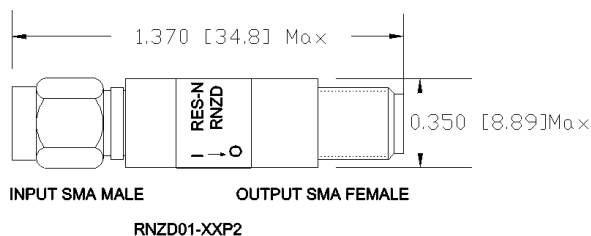
- Frequency Response (Max): +/- 0.5 dB
- Typical Sensitivity (Pin<-20dBm): 0.5 mV/uW
- Max Power Input: 100mW
- Video Resistance: 5KΩ
- Temperature Range: -55 °C to +120 °C
- Storage Temperature Range: -55 °C to +150 °C
- VSWR:
 

DC-4GHz	DC-8 GHz	DC-12.4 GHz	DC-18 GHz
1.20:1	1.30:1	1.40:1	1:50:1

### Applications:

- Power and Signal Monitors
- Transmitter Monitoring
- Radar and Missile Guidance Systems
- Test Equipment
- Medical Equipment

### Mechanical Outline



Dimensions are in inches [mm]

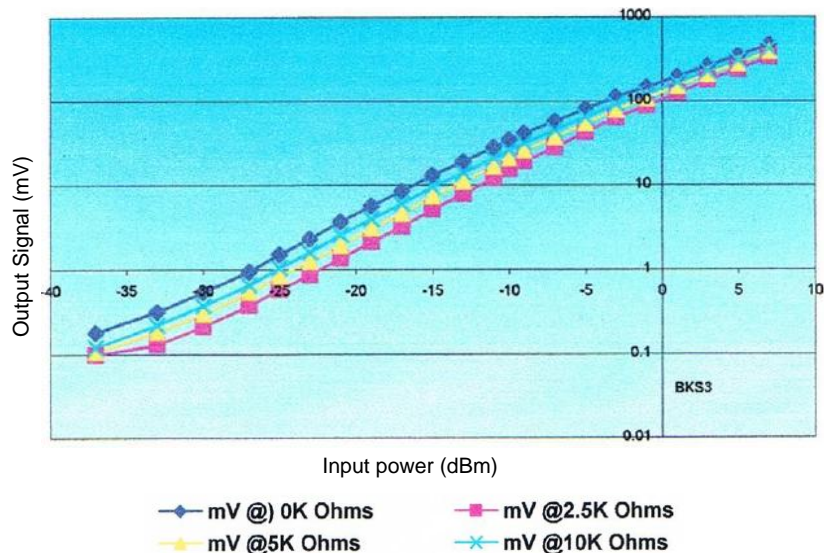
P.O. BOX 18802, Clearwater, FL 33762  
1-800-526-0704



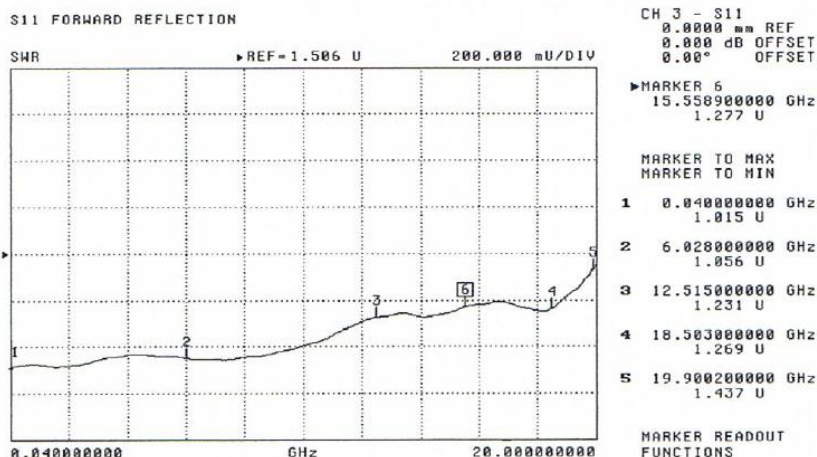
# RNZD Series

ZERO-BIASED SCHOTTKY DIODE DETECTOR

## Sensitivity (RNZD01-18P2 at 0.04GHz)



## VSWR (typical)



## Ordering Information

# RNZD 01-18 N 2

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Series number	Frequency: DC-4GHz DC-8 GHz DC-12.4 GHz DC-18 GHz	Polarity: N:Negative P:Positive	Package Style: 2: SMA (M) to SMA (F) 3: SMA (M) to BNC (F)

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



# 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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1-800-526-0704