

# RADITEK SOLUTIONS-Active

**RADITEK specializes in Design, Development, Manufacturing of "HIGH VOLUME / LOWEST COST" Wireless and Microwave Components and Sub Assemblies**

**Cellular / UMTS / 3G / PCS Base Station – Military – RFID – Broadband - Wi-Fi – WiMax - Wireless**

## Oscillators to 45GHz:

- PLO: Phase locked: Sources (1 to 45 GHz)
- DRO: (1 to 45 GHz)
- RSPLO: Synthesized Phase lock Oscillator (2 to 26 GHz)
- Crystal Oscillators: OCXO, TCXO, VCTCXO, VCXO
- OCXO: Ultra Low IMD

## Amplifiers:

- Power Amplifiers (1MHz to 90GHz)
- Gain Block Amplifiers
- Low Noise Amplifiers (LNA)

## Modules:

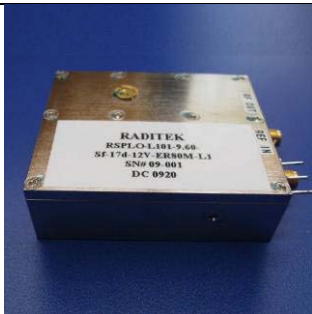
Pin Diode Switches

## Synthesizers 100MHz to 26GHz:

- RSYNTH: Synthesizers, Surface Mount(SMT) or Connectorized(2 to 26 GHz)
- Frequency Standards:
  - Rubidium Frequency Standard
  - GPS

## Miscellaneous

- Comb Generators
- Up and Down Converters
- Vector Modulators
- Detectors
- Phase Shifters
- Mixer



**Synthesized PLO - RSPLO - 5-26GHz**  
External Reference ER100M or ER10-90M (in 10MHz increments). Internal Reference IR 1ppm (0.1ppm optional)



**Frequency Synthesizer, 5.0-6.0GHz / 6.0-7.0GHz**  
SMA, 10dBm Power Output, 15Volts, Internal Reference  $\pm$ 1ppm



**DRO, PLDRO EXTERNAL and INTERNAL Reference, 1 - 42GHz**



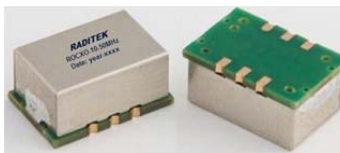
**Power Amplifier 75-140MHz, 200W**  
17 dB Gain, 46Volt DC, SMA female to N female Connectors, 200 Watts, Forward & Reverse Monitoring, Module



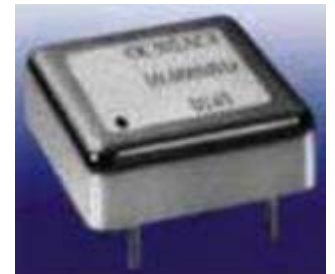
**Phase locked Dielectric Reference Oscillator 3-13GHz, Either internal or external References**



**XO, VCXO, TCXO, CXO, OCXO**  
SMT and others available



**Oven Controlled Crystal Oscillators, 10-50MHz**  
Frequency Stability 5ppb @ -40 to +85°C, 5 Volts, SMT type

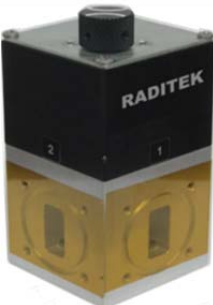









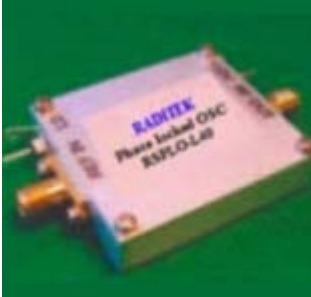



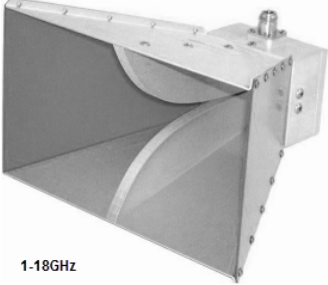



**Ovenized Crystal Oscillator**  
High stability to 0.5 ppb (parts per billion)

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|   |   |   |   |
|---|---|---|---|
|  <p><b>Waveguide Switches 3.5 to 40GHz Split Bands</b><br/>Rectangular Waveguide, Coaxial, Dual Waveguide and Coaxial</p>          |  <p><b>RAMP-1.2-1.4G-6W-SMAF Amplifier, 1.2-1.4GHz, SMAf, 6Watt</b></p>  |  <p><b>RAMP-20-500M-56d-Nf-500W-e7 Amplifier, 20-500MHz, Nf, 1KWatt</b></p>   |  <p><b>RAMP-100-500M-60d-Nf-1KW-e7 Amplifier, 100-500MHz, Nf, 1KWatt</b></p>   |
|  <p><b>RAMP-950-960M-46d-40W-10 Amplifier, 950-960MHz, Nf, 40Watt</b></p>   |  <p><b>RMIX-DB-1.5-22.0-L-X Mixer, 1.5-22GHz</b></p>   |  <p><b>RTFS Series GPS - Precise Time and Frequency Standards</b><br/>Low distortion 10MHz Sine &amp; 1PPS outputs, <math>1 \times 10^{-12}</math> accuracy</p> |  <p><b>Pin Diode Limiter, 8-12GHz</b><br/>SMA Male to SMA Female, 6Watts CW Average Power</p>                                |
|  <p><b>RF &amp; Microwave Amplifiers</b><br/>Frequency Range Covering 1-90GHz<br/>Variety of Gain and Power Options Available</p> |  <p><b>RF &amp; Microwave Switches</b><br/>Low Insertion Loss, High Isolation, Wide Band Frequency Coverage<br/>Drop-In, SMA/2.9mm &amp; SMP</p> |  <p><b>RSPLO-I40-100-3500m Synthesized Phase Lock Oscillator, SMAf, digital tuning</b></p>  |  <p><b>RSPLO-L70 Synthesized Phase Lock Oscillator, SMAf, digital tuning</b></p>   |
|  <p><b>RSYNTH-L510 Synthesizer, SMAf, Voltage controlled tuning</b></p>   |  <p><b>RSPLO Fixed frequency Synthesizers</b></p>  |  <p><b>Double Ridge Horn Antenna</b><br/>1-18GHz and 18-40GHz Split Band Transmit / Receive</p>   |  <p><b>Voltage Controlled Oscillator, 6.0-12.0GHz</b><br/>0dBm Output Power, 15Volts DC Voltage, Surface Mount Package</p> |