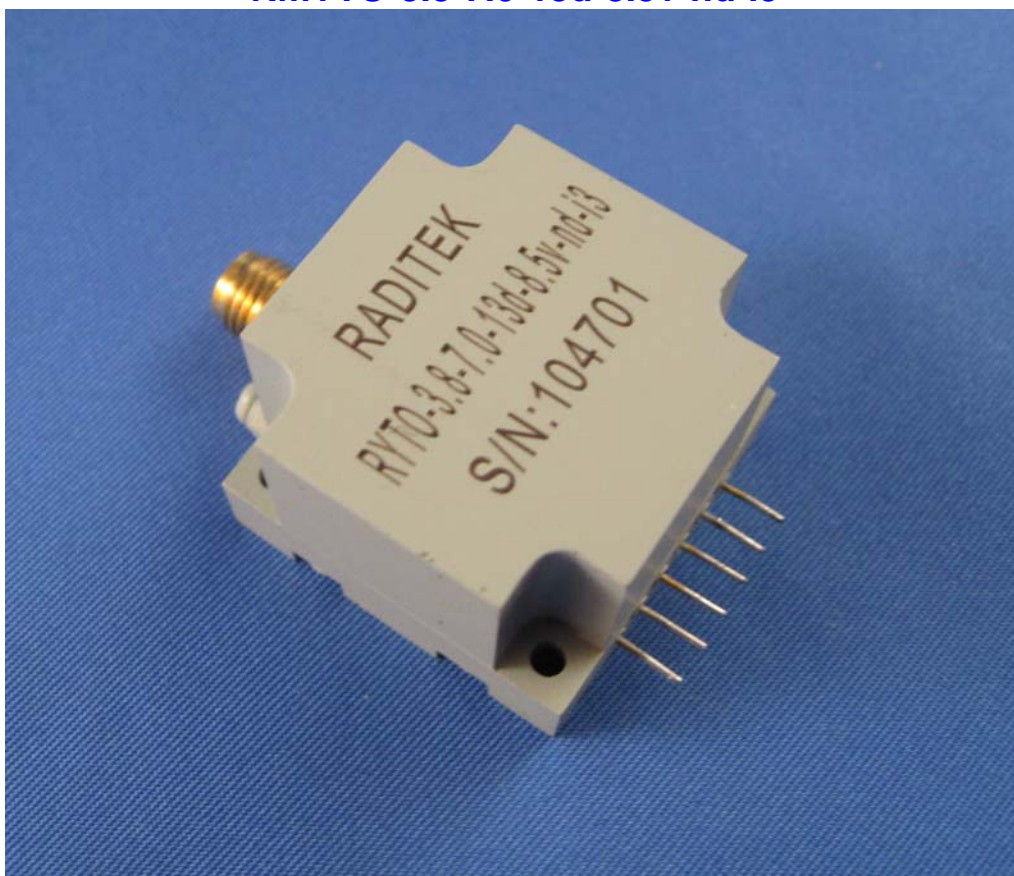


Mini-YIG Tuned Oscillator RmYTO-3.8-7.0-13d-8.5v-nd-i3



Raditek's Mini-Ylg oscillator. Our customers requested this product to replace discontinued models from other companies. We responded by adding the first two frequency bands, 3.8-7GHz and 3.95 to 9GHz and creating a matching Mini YIG family of oscillators.

They are in a small package, only 1 x 1 inch and 20mm high. Minimum output power is 13dBm and has no spurious higher than -70dBc. The units run off 8.5V at 120mA max (100mA typ.). They have a +/-0.1% tuning linearity and 1 Ohm FM coil (150KHz/mA sensitivity), with 23 Ohm main coil resistance. They operate over the full -30 to 85 degree C temperature range. Phase noise is around -103 to -105dBc/Hz at 10KHz offset.

It is recommended to use either an Analog Driver or 12 bit micro controlled / temperature compensated Digital Driver which will save a lot of engineering effort on issues such as: tuning linearity, temperature compensation, lower hysteresis effects etc.

RADITEK specializes in RF Design and Development of "High Volume / Low Cost" Microwave, Wireless and Telecom Broadband Components, Assemblies and Systems. Please see our website at <http://www.Raditek.com> or email us at Sales@Raditek.com with any questions you may have.