

MAOC-009261



Low Phase Noise, Wide Tuning Range

The MAOC-009261 is an InGaP HBT-based voltage controlled oscillator for frequency generation. No external matching components are required. This VCO is easily integrated into a phase lock loop using the divide-by-two output. The extremely low phase noise makes this part ideal for many radio applications including high capacity digital radios. The MAOC-009261 primary applications are Point-to-Point Radio, Point-to-Multipoint Radio, Communications Systems, and Low Phase Noise applications. The 5 mm PQFN package has a lead-free finish that is RoHS compliant and compatible with a 260°C reflow temperature. The package also features low lead inductance and an excellent thermal path.

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Part Number	Package	MACOM	Richardson RFPD	Mouser
MAOC-009261-PKG003 Oscillator, VC, 7.1-7.9 GHz, 5mmPQFN-32LD	5MM PQFN-32LD	✉ Inquire		
MAOC-009261-SMB003 Sample Board, Oscillator, 5mmPQFN-32LD	5MM PQFN-32LD	✉ Inquire		
MAOC-009261-TR0500 Oscillator, VC, 7.1-7.9 GHz, Tape/Reel	5MM PQFN-32LD		🛒 Buy	In Stock: 234 🛒 Buy
MAOC-009261-TR1000 Oscillator, VC, 7.1-7.9 GHz, Tape/Reel	5MM PQFN-32LD	✉ Inquire		

Technical Resources

Datasheet

[MAOC-009261.pdf](#)

Application Notes

- [AN3009 - S-Parameter S2P File Format Guide](#)
- [M513 - Tape and Reel Packaging for Surface Mount Components](#)
- [S2080 - Moisture Effects on the Soldering of Plastic Encapsulated Devices](#)
- [S2083 - Surface Mounting Instructions for PQFN Packages](#)
- [AN3003 - Integrating Synthesizer Solutions into Wireless Designs](#)
- [AN3004 - Programming Guide, Integer N PLL Synthesizer](#)

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