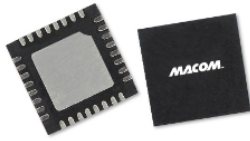


MAOC-009270



Low Phase Noise, Wide Tuning Range

The MAOC-009270 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-009270 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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MAOC-009270-SMB003 Sample Board, Oscillator, 5mmPQFN-32LD	5MM PQFN-32LD	Inquire	
MAOC-009270-TR0500 Oscillator, VC, 12.2-13.8 GHz, Tape/Reel	5mm PQFN-32LD	Inquire	
MAOC-009270-TR1000 Oscillator, VC, 12.2-13.8 GHz, Tape/Reel	5MM PQFN-32LD	Inquire	

Technical Resources

Datasheet

[MAOC-009270.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](#)
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