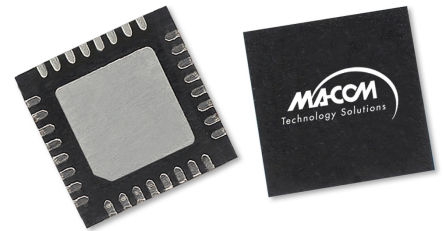




M/A-COM Technology Solutions Announces New Additions to Family of Voltage Controlled Oscillators

VCOs Deliver Low Phase Noise, Wide Tuning Range, and Low Current Consumption

Lowell, MA, October 4, 2011 - M/A-COM Technology Solutions Inc. (M/A-COM Tech), a leading supplier of high performance analog semiconductor solutions, introduced today a new set of voltage controlled oscillators (VCOs) for radio applications. The VCOs are ideal for point-to-point radio, point to multipoint radio, communications systems, and low phase noise applications. The InGaP HBT-based VCOs are easily integrated into a phase lock loop, using a divide-by-two output. The [MAOC-009871](#), [MAOC-009872](#), and [MAOC-010344](#) meet the high performance requirements of high capacity digital radios by optimizing for low phase noise, wide tuning range, and low current consumption.



“The [MAOC-009871](#), [MAOC-009872](#), and [MAOC-010344](#) are expansions to M/A-COM Tech’s point-to-point VCO product family. Low phase noise and low DC power consumption are key product features that are beneficial for cellular backhaul radios,” said Jack Redus, Product Manager. “The full product family consists of 15 standard product VCOs covering 5.7 to 14.2 GHz. Custom frequency ranges are available upon request.”

Packaged in a lead-free 5mm, 32-lead PQFN package, the VCOs feature an integrated buffer amplifier and excellent temperature stability. The package also features low lead inductance and an excellent thermal path. Operating with case temperature at or below +85°C, the VCOs allows for a MTBF of 2,500,000 hours. With a 5.0 V bias supply, these VCOs operate between the 8.4 GHz to 11.8 GHz frequency band.

The table below outlines typical part number performance:

Parameters	Units	MAOC-009871	MAOC-009872	MAOC-010334
		Typ	Typ	Typ
Frequency	GHz	9.2 - 10.2	11.0 - 11.8	8.4 - 9.25
Phase Noise (at 100 KHz Offset)	dBc/Hz	-113	-112	-115
Output Power RF Port	dBm	7	7	10
Output Power RF/2 Port	dBm	6	5	3
Supply Current	mA	185	165	168
Tuning Sensitivity @ RF Port	GHz/V	0.18	0.19	0.14
Tuning Current Leakage	µA	5	5	7

Production quantities and samples of [MAOC-009871](#), [MAOC-009872](#), and [MAOC-010344](#) are available from stock. Final datasheets and additional product information can be obtained from the M/A-COM Tech website at: www.macomtech.com.

ABOUT M/A-COM TECHNOLOGY SOLUTIONS INC.

M/A-COM Technology Solutions (www.macomtech.com) is a leading supplier of high performance analog semiconductor solutions for use in radio frequency (RF), microwave, and millimeter wave applications. Recognized for its broad portfolio of products, M/A-COM Tech serves diverse markets, including CATV, wireless infrastructure, optical communications, aerospace and defense, automotive, industrial, medical, and mobile devices. M/A-COM Tech builds on more than 60 years of experience designing and manufacturing innovative product solutions for customers worldwide.

Headquartered in Lowell, Massachusetts, M/A-COM Tech is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. M/A-COM Tech has design centers and sales offices throughout North America, Europe, Asia and Australia.

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