C7LC' * &+5 A!%\$A < n!5!J

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Features and Benefits

10MHz Frequency 3.3V Supply voltage **CMOS Output** ±10ppb Stability Vs -20C --+70C 36x27x15mm Size

Typical Applications

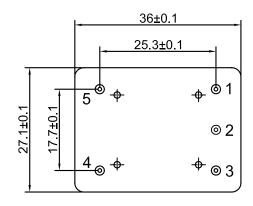
Synthesizers SATCOM System Portable Applications

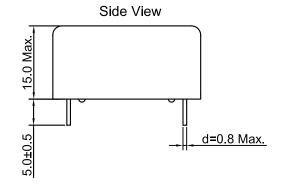
Description

OCXO3627AM-10MHz-A-V offers good frequency stability and low phase noise performance.

Mechanical Drawing & Pin Connections

Bottom View





Drawing No:

MD140062-*

Pin Connections:

Pin	Symbol	Function
1	Vc	Control Voltage(EFC) or N.C.
2	VREF	Reference Voltage or N.C.
3	Vs	Supply Voltage
4	RF OUT	RF Output
5	GND	Ground

Unit in mm

1 mm = 0.0394 inches

such as data tables and graphs without notification to potential customers who may have earlier revisions in their possession.

Dynamic Engineers Inc.

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C7 LC' * &+5 A !%\$A < n!5 !J HÎ ¢GÏ ¢FÎ { { ÁJÔÝUÁ

Specifications

Oscillator	Sum	Condition		Value			Note
Specification	Sym	Condition	Min.	Тур.	Max.	Unit	Note
Operational Frequency	F _{nom}			10		MHz	
Output				CMOS			
Load				15		pF	
Duty Cycle			45	50	55	%	
Rise/Fall time					7	nS	
Power Supply							
Voltage	V _{cc}		3.15	3.3	3.45	V	
		Warm up			900	mA	
Current		Steady state			300	mA	
Tuning voltage			0	1.5	3	V	
Pulling range			-2		+2	ppm	
Frequency Stability							
Versus temperature				±10		ppb	
Versus change in supply voltage					5	ppb	
Versus change in load					1	ppb	
First Year Aging					200	ppb	
Aging/day					1	ppb	
		10Hz			-125	dBc/Hz	
Phase noise		100Hz			-140	dBc/Hz	
i ilase iloise		1KHz			-150	dBc/Hz	
		10KHz			-155	dBc/Hz	
Environmental Conditions							
Operating temperature range	-20°C to 70						
Storage temperature range	-55°C to 10	0°C					