

Typical Applications

Base Stations
 Test Equipment
 Synthesizers
 Digital Switching

Features

Low Profile Compact Package

Nominal Frequency (Fnom)

10 MHz

Frequency stabilities¹ [AT Cut Crystal]

Parameter	Min	Typ	Max.	Units	Operating temp range	
vs. operating temperature range (Referenced to +25°C)	-50		+50	ppb	0 to +60°C	
Parameter	Min	Typ	Max.	Units	Condition	
Initial tolerance	-100		+100	ppb	at +25°C V _S ± 5% after 14 days of operation	
vs. supply voltage change	-20		+20	ppb		
vs. aging / day	-3.0		+3.0	ppb		
vs aging / year	-0.5		+0.5	ppm		
Warm-up Time			6	minutes	to ± 100ppb of final frequency (1 hour reading) @ +25°C	

Supply voltage (Vs)

Parameter	Min	Typ	Max.	Units	Condition	
Supply voltage [Standard]	14.25	15	15.75	VDC		
Power consumption			300	mA	Under any condition	

RF output

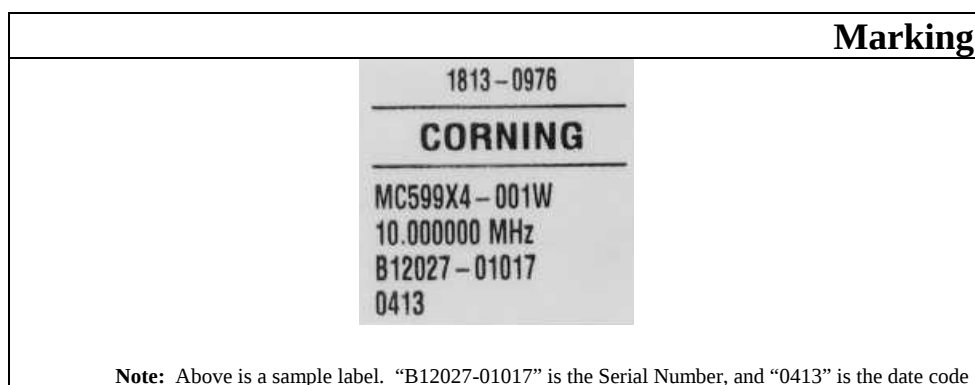
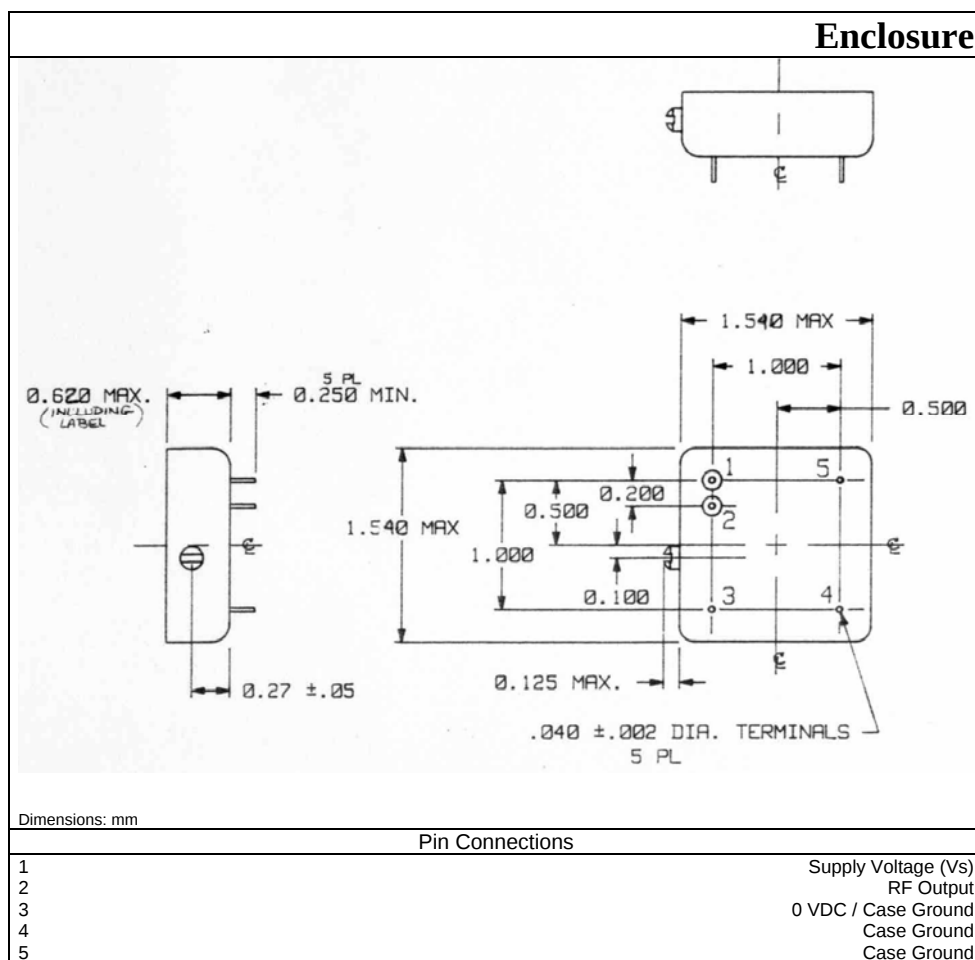
Parameter	Min	Typ	Max.	Units	Condition	
Signal [Option]	Sine					
Load		50		Ohms	50 Ohm Load 50 Ohm Load 50 Ohm Load	
Output Power Level	+2.0		+8.0	dBm		
Harmonic Level			-25	dBc		
Spurious Level (<200Mhz)			-55	dBc		

Frequency Tuning (Mechanical)

Parameter	Min	Typ	Max.	Units	Condition
Tuning Range	±4.0	±5.5	±7.0	ppm	

Additional parameters

Parameter	Min	Typ	Max.	Units	Condition
Phase Noise			-80	dBc/Hz	1 Hz
			-110	dBc/Hz	10 Hz
			-140	dBc/Hz	100 Hz
			-150	dBc/Hz	1 kHz
			-150	dBc/Hz	10 kHz



Notes:

- 1 Unless otherwise stated all values are valid after warm-up time and refer to typical conditions for supply voltage, frequency control voltage, load, temperature (25°C)

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