

## Features and Benefits

Low phase noise  
Linear tuning characteristics  
Low pushing / Low pulling  
Aqueous washable

## Typical Applications

Base Station  
Cable TV  
Satellite Communications  
UHF Radio Link

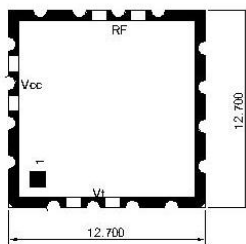
## Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	325		775
Output Power	dBm	+11.0	+14.0	+17.0
Output Impedance	$\Omega$		50	
Phase Noise @ 10KHz	dBc/Hz		-105	-100
@ 100KHz	dBc/Hz		-128	-123
Tuning Voltage (Vt)	Vdc	0.0		12.0
Tuning Voltage Sensitivity(Kv)	MHz/V		40-55	
2nd Harmonic Suppression	dBc		-16	
Power Supply(Vcc)	Vdc		8	
Current	mA		21	25
Pushing Figure	MHz/V		0.5	
Pulling Figure	MHz		2.4	
Input Capacitance	pF		100	
Operating Temp. Range	°C	-40		+85

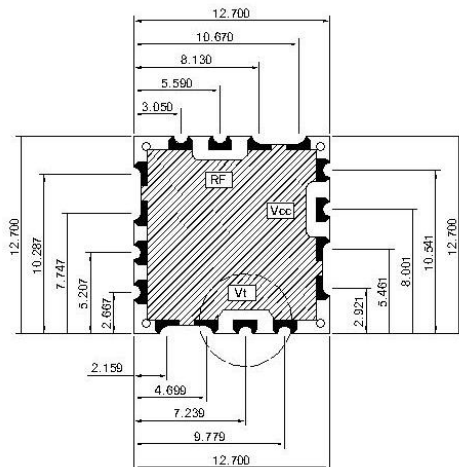
## Mechanical Drawing & Pin Connections

Drawing No: MD14-0084-2

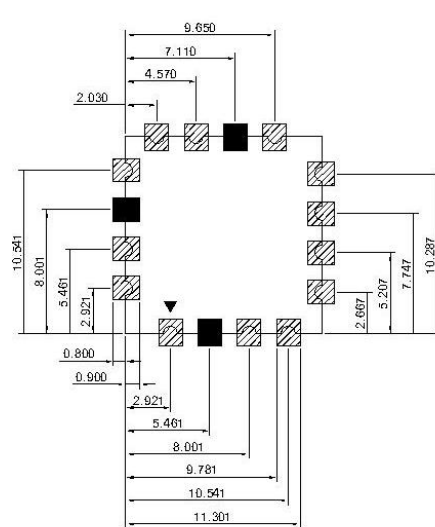
Top View



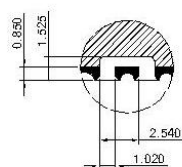
Bottom View



Foot Print



Side View

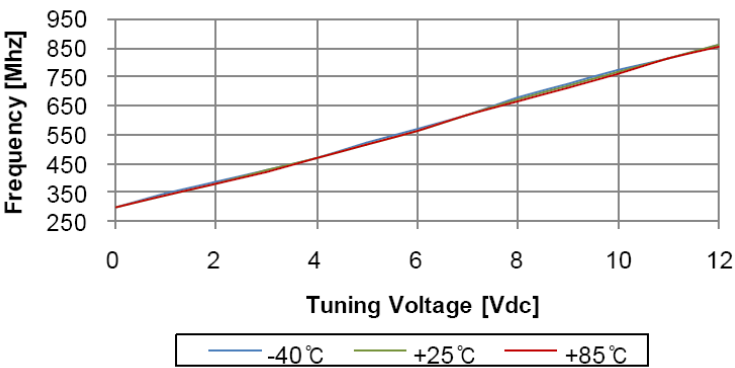


Pin Connections

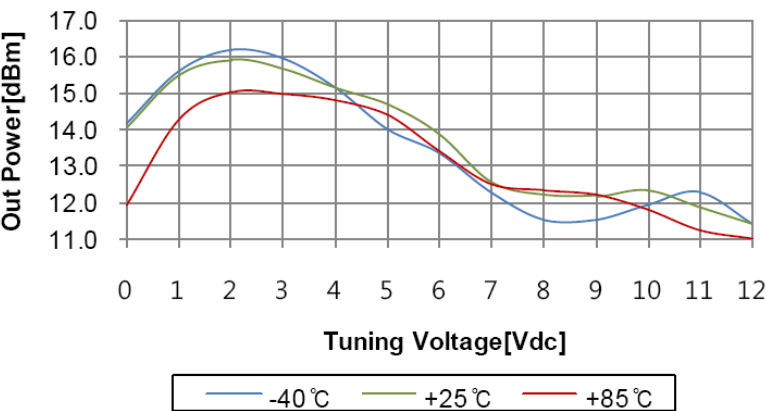
2	Vt
10	RFOUT
14	Vcc
Others	GND

Unit : mm

Tuning Curve



Output Power Curve



Phase Noise Plot

