

# RVCS0233A Preliminary

# 233 MHz Voltage Controlled Oscillator (VCO)

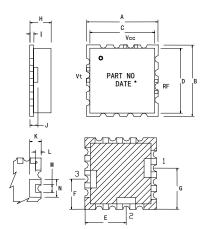
### **Key Features:**

- Reliable
- Good Phase Noise
- 3.0 V Operation
- SMT Package
- Electrostatics Sensitive Device
- RoHS compliant

# Electrical Specifications<sup>1</sup>: (@+25 °C)

Parameter	Min	Typical	Max	Units
Frequency range	223		243	MHz
Output Power	-2	0	2	dBm
Tuning Sensitivity		6		MHz/V
Tuning Voltage	0.5		4.5	Volt
Phase noise @ 10 kHz offset @ 1 MHz offset		-115 -160		dBc/Hz
Spurious Suppression		n/a		dBc
Harmonic Suppression 2nd		-16		dBc
Pushing		-		MHz/Volt
Pulling		-		MHz
Tuning Port Capacitance		-		pF
Power supply		3.0		Volt
Supply Current		15		mA
Operating Temperature Range	-30		+85	°C

## Mechanical Outline: (not scaled)



3 Vt Others GND

1 2

Pin Configuration

**RF** Output

Vcc

Size	Value (mm)			
Symbol	Min	Тур	Max	
А	12.5	12.7	12.9	
В	12.5	12.7	12.9	
С	11.6	11.8	12.0	
D	11.6	11.8	12.0	
E	7.8	8.0	8.2	
F	5.3	5.5	5.7	
G	6.95	7.15	7.35	
Н		4.0		
I		0.8		
J		1.6		
K		1.8		
L		0.9		
М		1.5		
Ν		3.2		

(Dimensions shown are nominal in millimeters)

## **Ordering Information**

#### Part Number RVCS0233A

<sup>1</sup> Specifications are subject to change without notice.

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