



Preliminary

2100 MHz Voltage Controlled Oscillator (VCO)



Key Features:

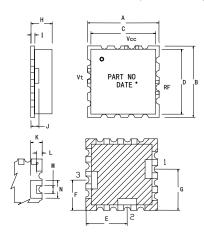
- Reliable
- Good Phase Noise
- 5.0 V Operation
- SMT Package
- Electrostatics Sensitive Device
- RoHS compliant





Parameter	Min	Typical	Max	Units
Frequency range	2050		2150	MHz
Output Power	-2	0	2	dBm
Tuning Sensitivity		33		MHz/V
Tuning Voltage	0.5		4.5	Volt
Phase noise @ 10 kHz offset @ 1 MHz offset		-98 -140		dBc/Hz
Spurious Suppression		n/a		dBc
Harmonic Suppression 2nd		-30		dBc
Pushing		-		MHz/Volt
Pulling		-		MHz
Tuning Port Capacitance		-		pF
Power supply		5.0		Volt
Supply Current		15		mA
Operating Temperature Range	-30		+85	°C

Mechanical Outline: (not scaled)



Pin Configuration		
1	RF Output	
2	Vcc	
3	Vt	
Others	GND	

Size	Value (mm)			
Symbol	Min	Тур	Max	
Α	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	
Е	7.8	8.0	8.2	
F	5.3	5.5	5.7	
G	6.95	7.15	7.35	
Ι		4.0		
		0.8		
J		1.6		
K		1.8		
Ш		0.9		
М		1.5		
N		3.2		

(Dimensions shown are nominal in millimeters)

Ordering Information

Part Number	RVCS2100A

¹ Specifications are subject to change without notice.

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Internal Richardson Document #	Origination Date:	Rev: 1P	Page 1/2
	March 2009	Date: March 2009	Page 1/2

Richardson Electronics

RVCS2100A

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Internal Richardson Document #	Origination Date:	Rev: 1P	Bago 2/2
	March 2009	Date: March 2009	Page 2/2