

150 MHz Voltage Controlled Oscillator (VCO)



Key Features:

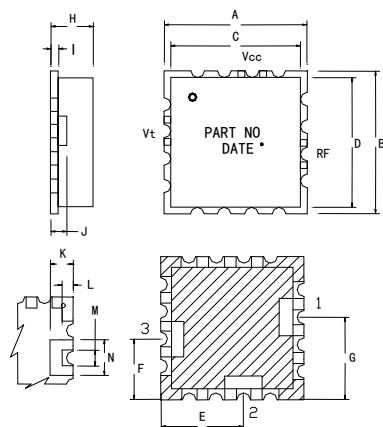
- Reliable
- Good Phase Noise
- 5.0 V Operation
- SMT Package
- Electrostatics Sensitive Device
- RoHS compliant



Electrical Specifications¹: (@+25 °C)

Parameter	Min	Typical	Max	Units
Frequency range	140		160	MHz
Output Power	-2	0	2	dBm
Tuning Sensitivity		3		MHz/V
Tuning Voltage	0.5		4.5	Volt
Phase noise				
@ 10 kHz offset		-118		dBc/Hz
@ 1 MHz offset		-162		dBc/Hz
Spurious Suppression		n/a		dBc
Harmonic Suppression 2nd		-12		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 Symbol	Value (mm)		
	Min	Typ	Max
A	12.5	12.7	12.9
B	12.5	12.7	12.9
C	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
H		4.0	
I		0.8	
J		1.6	
K		1.8	
L		0.9	
M		1.5	
N		3.2	

(Dimensions shown are nominal in millimeters)

Ordering Information

Part Number	RVCS0150A
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¹ Specifications are subject to change without notice.

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