

150 MHz Voltage Controlled Oscillator (VCO) ¹

Key Features:

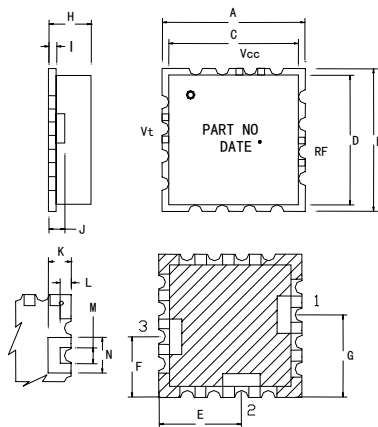
- Reliable
- Good Phase Noise
- 5.0 V Operation
- SMT Package
- Electrostatics Sensitive Device

Photo not available

Electrical Specifications: (@+25 °C)

Parameter	Min	Typical	Max	Units
Frequency range	100		200	MHz
Output Power	3	6	9	dBm
Tuning Sensitivity		8		MHz/V
Tuning Voltage	0		15	Volt
Phase noise				
@ 1 kHz offset		-90		
@ 10 kHz offset		-116		
@ 100 kHz offset		-138		
@ 1 MHz offset		-156		
				dBc/Hz
Spurious Suppression		-80		dBc
Harmonic Suppression 2nd		-12		dBc
Pushing		2		MHz/Volt
Pulling		2		MHz
Tuning Port Capacitance		1000		pF
Power supply		5		Volt
Supply Current			25	mA
Operating Temperature Range	-40		+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	RVCS0150W
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¹ Specifications are subject to change without notice.

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