

75 MHz Voltage Controlled Oscillator (VCO) ¹

Key Features:

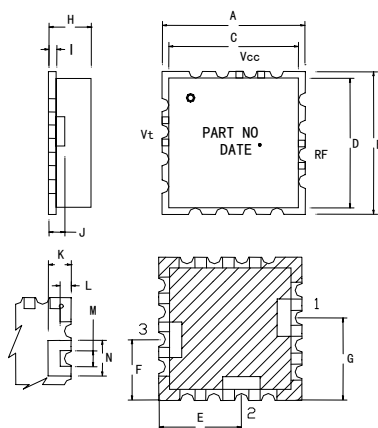
- Reliable
- Good Phase Noise
- 5.0 V Operation
- SMT Package
- Electrostatics Sensitive Device

Photo not available

Electrical Specifications: (@+25 °C)

Parameter	Min	Typical	Max	Units
Frequency range	50		100	MHz
Output Power	3	6	9	dBm
Tuning Sensitivity		5		MHz/V
Tuning Voltage	0		12	Volt
Phase noise				
@ 1 kHz offset		-90		
@ 10 kHz offset		-118		
@ 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	RVCS0075W
-------------	-----------

¹ Specifications are subject to change without notice.

Available exclusively from Richardson Electronics, Ltd. - 800-737-6937 (U.S. & Canada) - 630-208-3637 (International)
or visit www.rfwireless.rell.com. See important product notice on last page of this document.

Internal Richardson Document #	Origination Date: November 2007	Rev: 1P Date: December 2007	Page 1/2
--------------------------------	------------------------------------	--------------------------------	----------

Richardson Electronics

40W267 Keslinger Road

P.O. Box 393

LaFox, IL 60147

Telephone: (800) 737- 6937

(630) 208-3637

Fax: (630) 208-2550

Internet: www.rfwireless.rell.comE-Mail: rlc@rell.com**IMPORTANT NOTICE**

RICHARDSON ELECTRONICS, LTD AND ITS AFFILIATES RESERVE THE RIGHT TO MAKE CHANGES TO THE PRODUCT(S) OR INFORMATION CONTAINED HEREIN WITHOUT NOTICE. RICHARDSON ELECTRONICS ASSUMES NO RESPONSIBILITY FOR ANY ERRORS WHICH MAY APPEAR IN THIS DOCUMENT.

WARRANTY INFORMATION APPLICABLE TO THE PRODUCT IDENTIFIED HEREIN IS AVAILABLE UPON REQUEST. NOTHING CONTAINED HEREIN SHALL CONSTITUTE A WARRANTY, REPRESENTATION OR GUARANTEE OF ANY KIND. RICHARDSON ELECTRONICS EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS AND/OR IMPLIED INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY, AND OF FITNESS FOR A PARTICULAR PURPOSE, USE OR APPLICATION.

NO PART OF THIS DOCUMENT MAY BE COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN CONSENT OF RICHARDSON ELECTRONICS, LTD.

WARNING

RICHARDSON ELECTRONICS PRODUCTS ARE NOT INTENDED FOR USE IN LIFE SUPPORT APPLIANCES, DEVICES OR SYSTEMS. USE OF A RICHARDSON ELECTRONICS PRODUCT IN ANY SUCH APPLICATION WITHOUT WRITTEN CONSENT IS PROHIBITED.

Available exclusively from Richardson Electronics, Ltd. - 800-737-6937 (U.S. & Canada) - 630-208-3637 (International)
or visit www.rfwireless.rell.com. **See important product notice on last page of this document.**

Internal Richardson Document #	Origination Date: November 2007	Rev: 1P Date: December 2007	Page 2/2
--------------------------------	------------------------------------	--------------------------------	----------