

RYSTEK Voltage Controlled Oscillator-VCO CVCO55CL-0925-0970

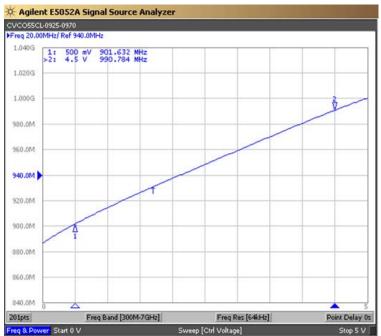
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			925	MHz
Upper Frequency:	970			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+6.0	+9.0	dBm
Supply Current:			30	mA
Harmonic Suppression (2 nd Harmonic):		-15	-10	dBc
Pushing:			1.7	MHz/V
Pulling, all Phases:			4.4	MHz pk-pk
Tuning Sensitivity:		13		MHz/V
Phase Noise @ 10kHz offset:		-108		dBc/Hz
Phase Noise @ 100kHz offset:		-128		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			50	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C



Phase Noise (1 Hz BW, Typical)

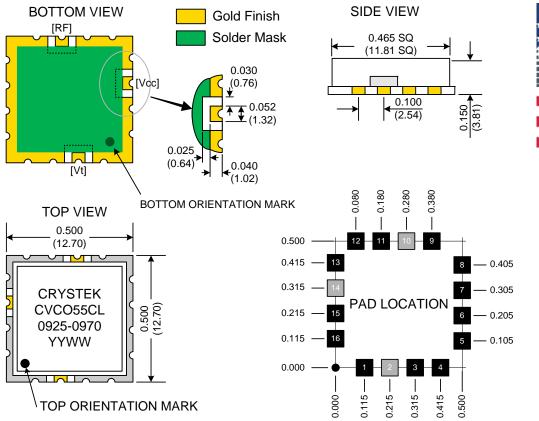
Agilent E5052A Signal Source Analyzer -20.00 10 kHz 100 kHz 1 MHz 10 MHz -30.00 -50.00 -70.00 -90,00 -100.0 -110.0 -120.0 -130.0 -140.0 -160.0 -170.0 -180.0 LO Opt [<150kHz] IF Gain 20dB Freq Band [300M-7GHz]

Tuning Curve (Typical)





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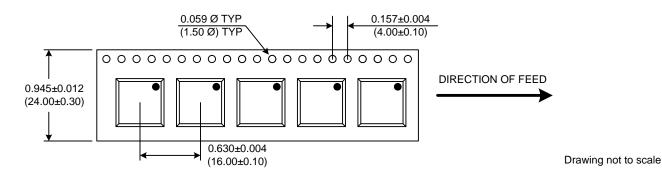




Pad	Connection
2 10 14 Others	Vt RF-OUTPUT Vcc GROUND

- Unless otherwise specified,
 Dimensions are in: <u>IN</u>
 (mm)
- Pad Location
 Dimensions are in: Inches

TAPE AND REEL



Б	200	LIGH.	Contr	الما
	4 2 9 1 9	11194		

Crystek Part Number:	CVCO55CL-0925-0970	Release Date:	11-Dec-2013
Revision Level:	E	Responsible:	C. Vales

Specification is subject to change without notice Page 2 of 2

