



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

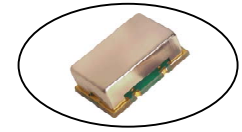
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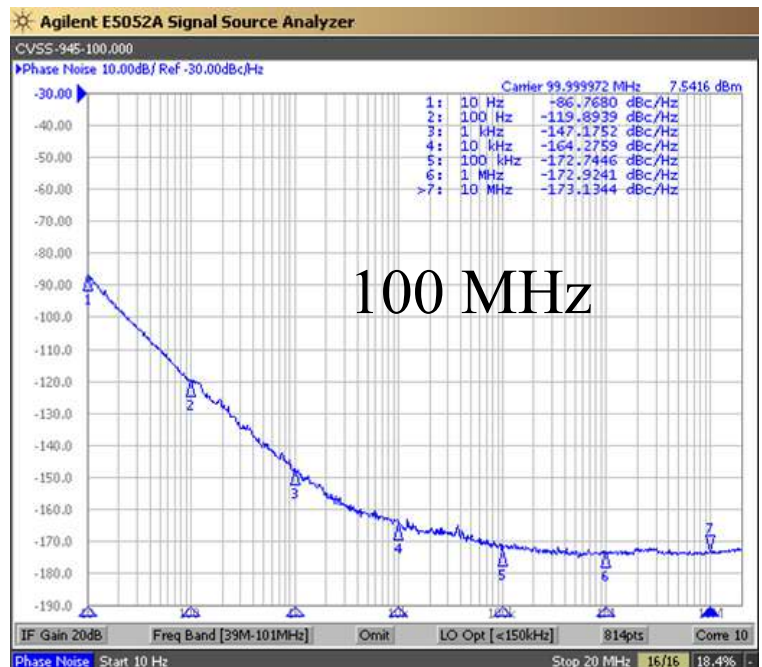
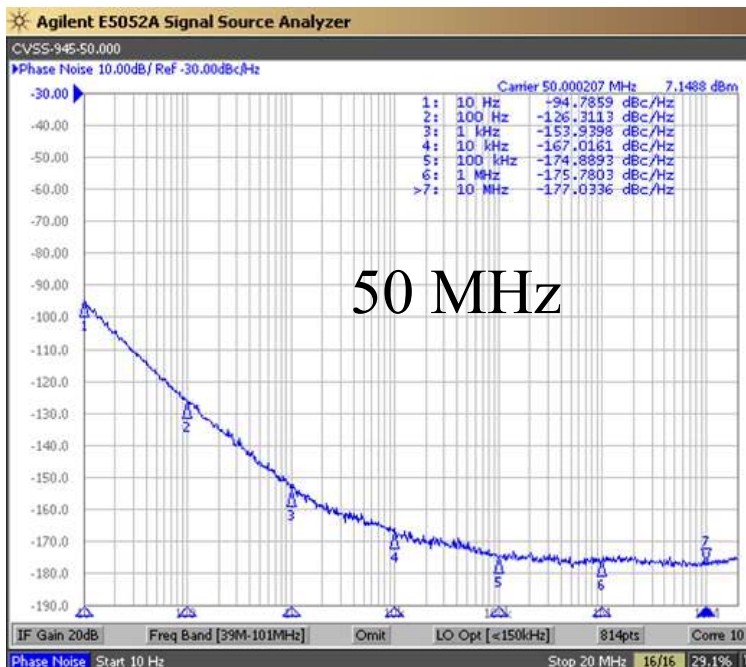
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



CVSS-945 Model 9x14 mm SMD, 5.0V, SineWave



Frequency Range:	50 MHz to 125 MHz
Temperature Range:	0°C to 70°C
(Option X)	-40°C to 85°C
Storage:	-45°C to 90°C
Input Voltage:	5.0V ± 0.5V
Control Voltage:	2.5V ± 2.5V
Settability At Nominal:	2.5V ± 0.5V
Tuning Sensitivity (Kv):	+25 ppm/V Typical
Input Current:	30mA Max
Output:	True SineWave
Pullability APR:	±20ppm Min
Linearity:	±10% Max
Output Power:	+5 dBm Min, +7 dBm Typical
Start-up time:	2ms Typical, 5ms Max
Load:	50 Ω
2nd Harmonic:	-25 dBc Max
Sub-harmonics:	None
Modulation BW:	>10kHz @ -3dB
Phase Noise Typical:	10Hz -85 dBc/Hz
(@100MHz)	100Hz -120 dBc/Hz
	1kHz -145 dBc/Hz
	10kHz -162 dBc/Hz
	100kHz -170 dBc/Hz
	1MHz -170 dBc/Hz
Aging:	<3ppm 1 st year, <1ppm every year thereafter





Ultra Low Noise SineWave VCXO

CVSS-945 Model 9x14 mm SMD, 5.0V, SineWave

Crystek Part Number Guide

CVSS-945 X-125.000

#1 #2 #3 #4

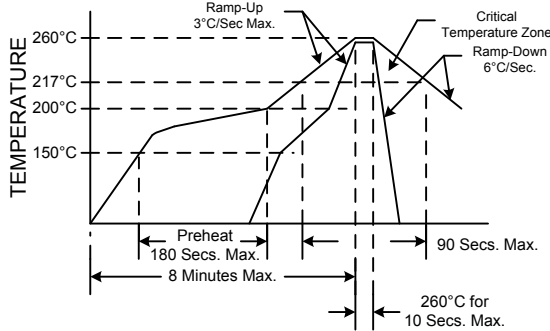
#1 Crystek 9x14 SMD SineWave VCXO
#2 Model 945 = Ultra Low Noise 5.0V
#3 Temp. Range: Blank = 0/70°C, X = -40/85°C
#4 Frequency in MHz: 3 or 6 decimal places

Example:
CVSS-945X-125.000 = 5.0V, -40/85°C, 125.000 MHz

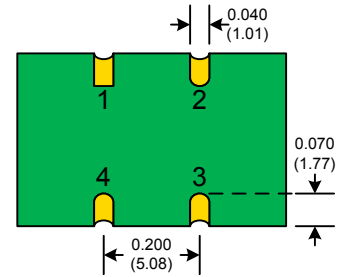
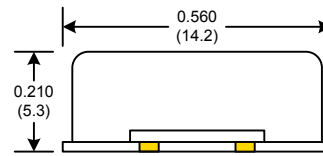
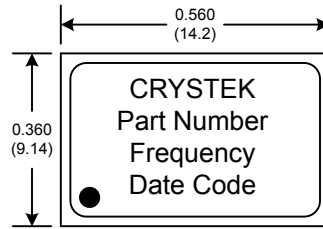
Standard Frequencies MHz

50.000
80.000
100.000
122.880
125.000

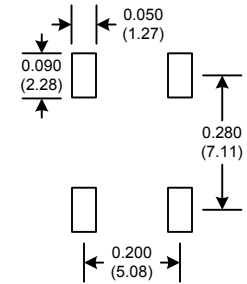
RECOMMENDED REFLOW SOLDERING PROFILE



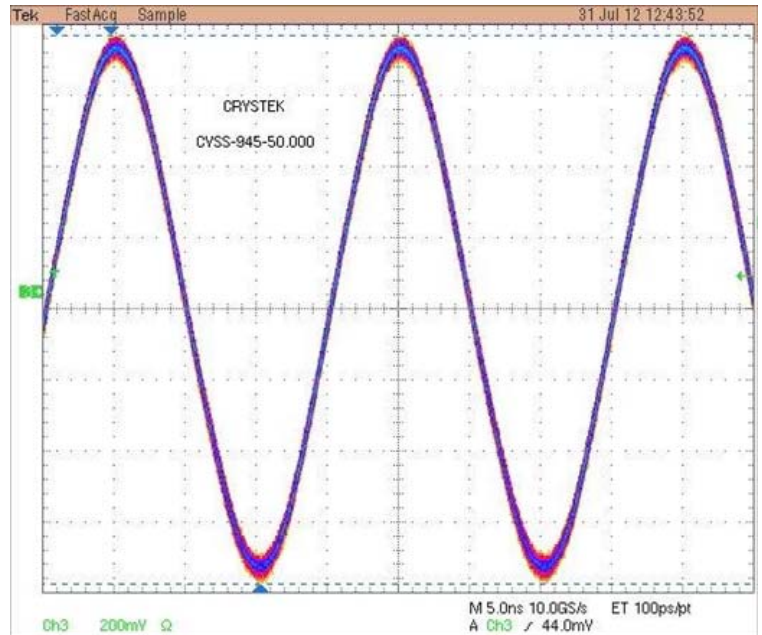
NOTE: Reflow Profile with 240°C peak also acceptable.



SUGGESTED PAD LAYOUT



Pad	Connection
1	Volt Cont.
2	GND
3	OUT
4	Vdd



Mechanical:

Shock:
Solderability:
Vibration:
Solvent Resistance:
Resistance to Soldering Heat:

MIL-STD-883, Method 2002, Condition B
MIL-STD-883, Method 2003
MIL-STD-883, Method 2007, Condition A
MIL-STD-202, Method 215
MIL-STD-202, Method 210, Condition I or J

Environmental:

Thermal Shock:
Moisture Resistance:

MIL-STD-883, Method 1011, Condition A
MIL-STD-883, Method 1004

Packaging:

Tape/Reel:

100ea, 250ea, 500ea 24mm Tape

CVSS-945 Rev. D

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