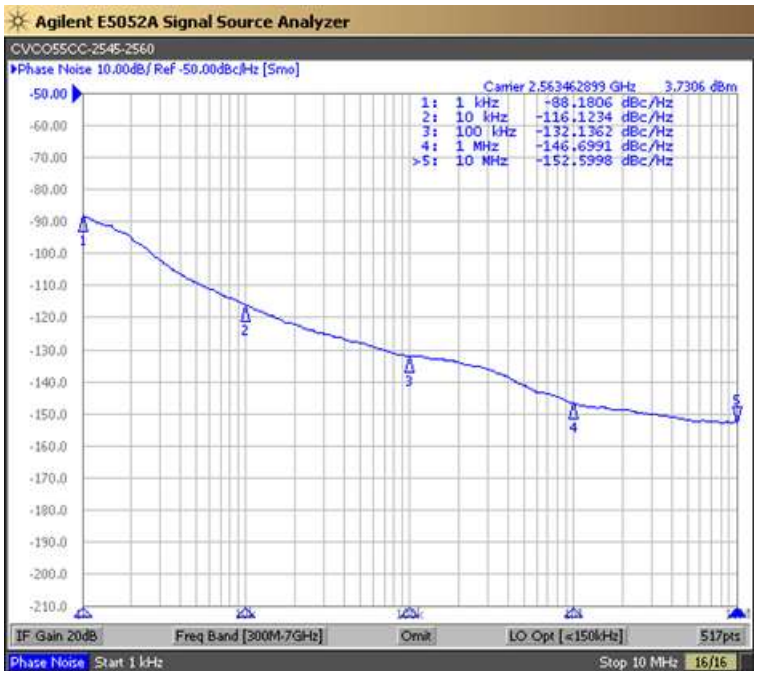
# Coaxial Resonator Oscillator-CRO
# CVCO55CC-2545-2560

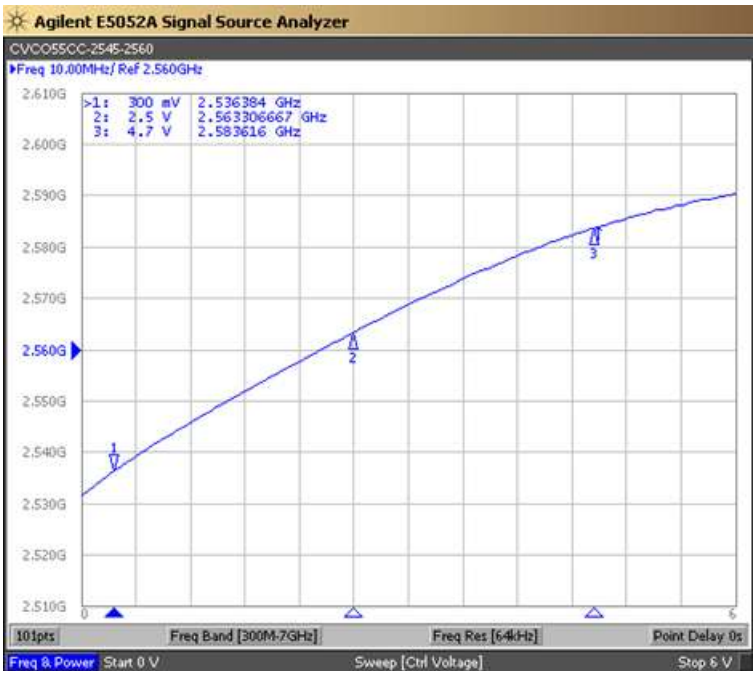
| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|---|---|---|---|---|
| Lower Frequency: | | | 2545 | MHz |
| Upper Frequency: | 2560 | | | MHz |
| Tuning Voltage: | 0.3 | | 4.7 | VDC |
| Supply Voltage: | 4.75 | 5.0 | 5.25 | VDC |
| Output Power: | +2.0 | +4.5 | +7.0 | dBm |
| Supply Current: | | | 40 | mA |
| Harmonic Suppression (2nd Harmonic): | | -25 | | dBc |
| Pushing: | | 0.2 | 0.5 | MHz/V |
| Pulling, all Phases: | | 1.0 | 1.5 | MHz pk-pk |
| Tuning Sensitivity: | | 8 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -116 | | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -135 | -130 | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 15 | pF |
| Operating Temperature Range: | -30 | | +70 | °C |
| Storage Temperature Range: | -45 | | +90 | °C |

RoHS Compliant

## Phase Noise (1 Hz BW, Typical)




## Tuning Curve (Typical)

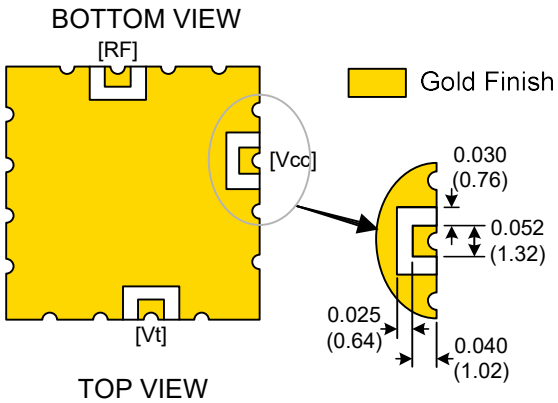


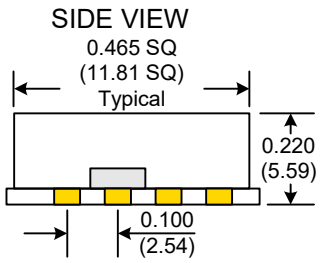

| Product Control: | | | |
|---|---|---|---|
| Crystek Part Number: | CVCO55CC-2545-2560 | Release Date: | 22-Jul-2025 |
| Revision Level: | F | Responsible: | C. Vales |



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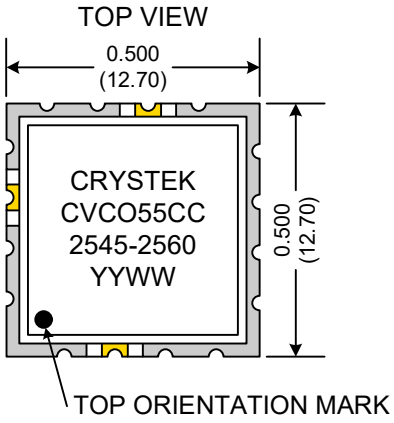
# Coaxial Resonator Oscillator-CRO
# CVCO55CC-2545-2560

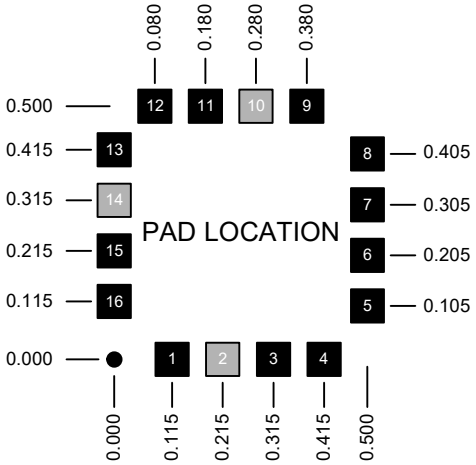






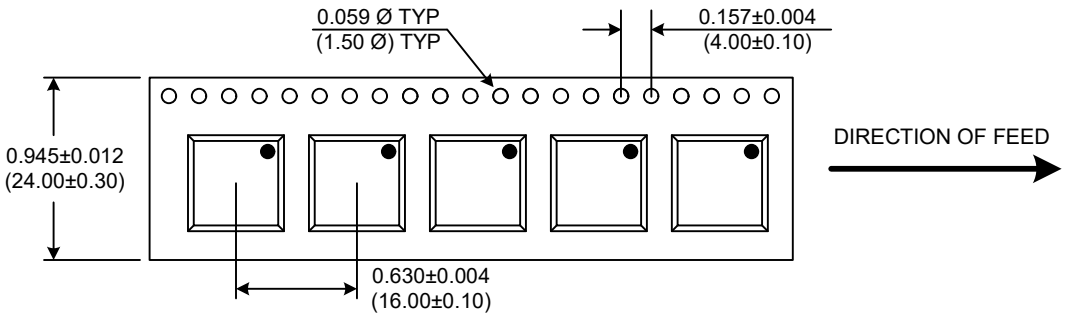



| Pad | Connection |
|---|---|
| 2 | Vt |
| 10 | RF-OUTPUT |
| 14 | Vcc |
| Others | GROUND |

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

## TAPE AND REEL




Drawing not to scale

| Product Control: | | | |
|---|---|---|---|
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