

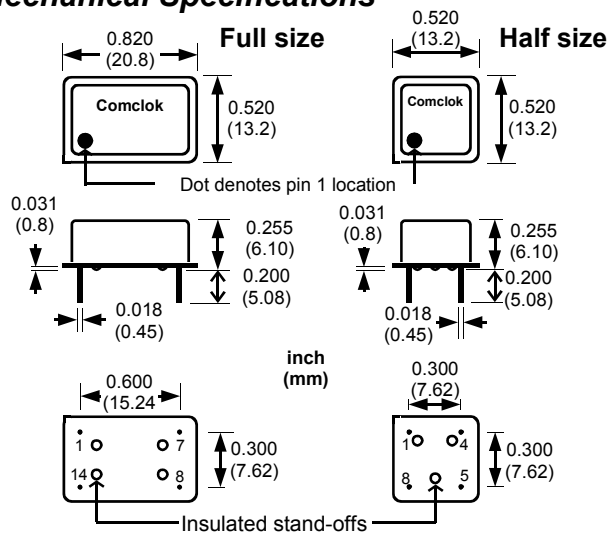
**Features of the CY / CV series CXO:**

- CY = 5Vdc
- CZ = 3.3Vdc
- Industry standard (14 & 8 pin dip compatible)
- Fast rise and fall times
- Case ground for low EMI
- Hermetically sealed / resistance welded
- Wide frequency range

**Electrical Specifications**

MODEL	CZ	CY
FREQUENCY RANGE	1.25 ~ 65MHz (fund, 3rd) 65 ~ 160.0MHz (PLL)	1.25 ~ 65MHz (fund, 3rd) 65 ~ 160.0MHz (PLL)
FREQUENCY STABILITY	±50ppm to ±100ppm	
OPERATING TEMP. RANGE	0°C ~ 70°C OPTION extended Temp: -40 ~ 85°C	
SUPPLY VOLTAGE	+5.0 VDC ±5%	+3.3 VDC ±5%
SUPPLY CURRENT	15mA Max. (1.25 ~ 28.0 MHz) - 30mA Max (28.0 ~ 99.999 MHz) 35mA Max (100.0 ~ 129.9 MHz) - 40mA Max (130.0 ~ 160.0 MHz)	
SYMMETRY	40/60% OPTION S:45/55%	
RISE/FALL TIME	1.25MHz ~ 65.0MHz 6 nS max, 65MHz ~ 160.0MHz 3 nS max	
FAN OUT	1.25MHz ~ 65.0MHz 10 TTL / 20pF - 65.0MHz ~ 160.0MHz 2 TTL / 20pF	
FREQUENCY DEVIATION	± 100ppm min. (other pullability available)	
CENTER VOLTAGE	2.5V	1.65V
CONTROL VOLTAGE RANGE	0.5V ~ 4.5V	0.3V ~ 3.0V

**Mechanical Specifications**



**Pin Out**

Full Size CZ (14 pin)	
# 1	Control Voltage
# 7	GND
# 8	OUTPUT
# 14	+5.0 VDC ±5%

Half Size CZ (8 pin)	
# 1	Control Voltage
# 4	GND
# 5	OUTPUT
# 8	+5.0 VDC ±5%

Full Size CY (14 pin)	
# 1	Control Voltage
# 7	GND
# 8	OUTPUT
# 14	+3.3 VDC ±5%

Half Size CY (8 pin)	
# 1	Control Voltage
# 4	GND
# 5	OUTPUT
# 8	+3.3 VDC ±5%



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