Tri-State Dual HCMOS / TTL 14 & 8 pin DIP CW Series

CW 1 1 A F - 10.000MHz - R

- Frequency Tolerance
  - 1 .... 100ppm
  - 2 .... 50ppm
  - 3 .... 25ppm
  - 4 .... 20ppm
- Symmetry
  - 1 .... 60/40
  - 2 .... 45/55
  - 3 .... 47.5/52.5
- Operating Temperature
  - A.... 0°C to +70°C
  - B.... -20°C to +70°C
  - C.... -40°C to +85°C
  - D.... -10°C to +50°C
  - E.... -20°C to +60°C
  - F .... -10°C to +70°C
  - Z .... Other
- Size / Option
  - F .... Full Size
  - H ... Half Size
  - I ..... Gullwing Full Size
  - J .... Gullwing Half Size Option A
  - R ... Gullwing Half Size Option B
- Frequency
- RoHS Option
  - * Blank No Option
  - R ... RoHS Compliant

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CW32CJ-18.432MHZ

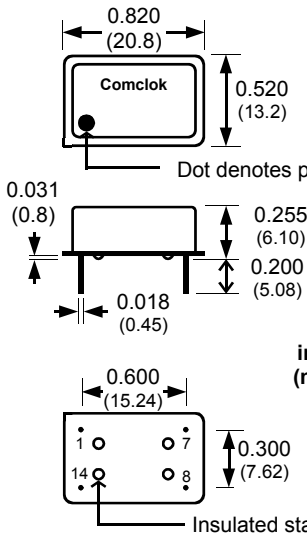
RoHs Compliant

Features of the CW series clock oscillator:

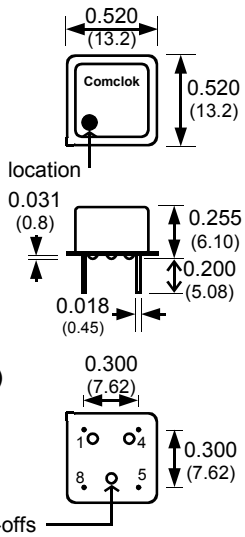
- RoHS compliant now available
- 3.3VDC
- Industry standard (14 & 8 pin dip compatible)
- Fast rise and fall times
- Case ground for low EMI
- Hermetically sealed / resistance welded
- Wide frequency range
- Drives Either HCMOS or TTL Loads

MODEL	CW	
FREQUENCY RANGE	10.0 kHz ~ 69.99 MHz	70.000 MHz ~ 160.000 MHz
FREQUENCY STABILITY	±100ppm Standard, Optional Tolerances Available	
OPERATING TEMP. RANGE	0ºC ~ 70ºC Standard, Extended Tolerances Available	
STORAGE TEMPERATURE	-55°C ~ +125°C	
SUPPLY VOLTAGE	+3.3 VDC ±10%	
CURRENT CONSUMPTION	10.0 kHz ~ 23.999 MHz 15mA Max. 24.000 ~ 69.000 MHz 30mA Max.	70.000 ~ 99.999 MHz 30mA Max. 100.000 ~ 129.999 MHz 35mA Max. 130.000 ~ 160.000 MHz 40mA Max.
SYMMETRY	40/60% @ 50% Vcc Standard, Optional Tolerances Available	
LOGIC "1" & "0"	Logic "1" = 3.0VDC Min. / Logic "0" = 0.5VDC Max.	
RISE/FALL TIME (T_R,T_F)	6 nS max	3 nS Max.
OUTPUT LOAD	10 TTL Max. / 15pF	2 TTL Max. / 15pF
TRI-STATE FUNCTION	Enable - Logic "1" (V_{IH})≥ 2.0VDC / Disable - Logic "0" (V_{IL}) < 0.5VDC (disabled = high Z)	
Aging	< 5ppm per year	

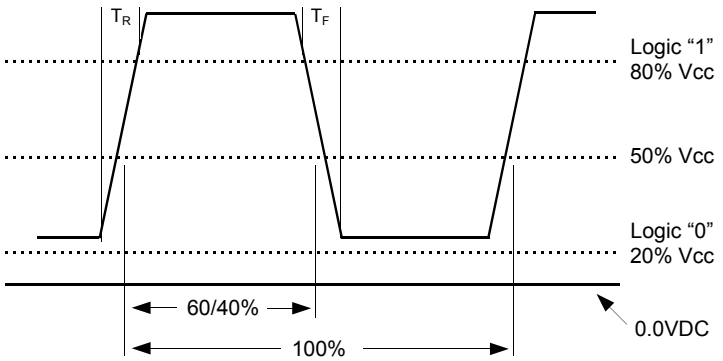
Full size



Half size



inch (mm)



Full Size CW (14 pin)	
# 1	N.C.
# 7	GND
# 8	OUTPUT
# 14	+3.3 VDC ±10%

Half Size CW (8 pin)	
# 1	N.C.
# 4	GND
# 5	OUTPUT
# 8	+3.3 VDC ±10%

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