

SURFACE MOUNT VCXO 5 x 7mm CERAMIC PACKAGE

CQ / CR Series

CQ or CR 1 1 A T - 10.000MHz - R

Frequency Tolerance
1.....100ppm
2.....50ppm
3.....25ppm
4.....20ppm

Symmetry
1.....60/40
2.....45/55

Frequency

RoHS Option
* Blank No Option
R... RoHS Compliant

Size / Option

TVCXO 6 Pad Tri-State

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



Features of the CQ / CR series SMD VCXO:

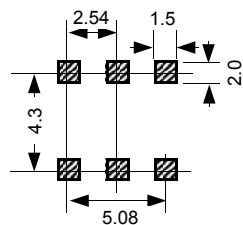
- CQ = 5Vdc
- CR = 3.3Vdc
- Industry standard (5X7mm 6 pad package)
- Fast rise and fall times
- Hermetically sealed
- Wide frequency range

Electrical Specifications

MODEL	CQ	CR
FREQUENCY RANGE	1.0 ~ 50.0 MHz	1.0 ~ 50MHz (fund.) 50 ~ 200MHz (multi.)
FREQUENCY STABILITY	±50ppm to ±100ppm	
OPERATING TEMP. RANGE	0°C ~ 70°C OPTION ET: -40 ~ 85°C	
SUPPLY VOLTAGE	+5.0 VDC ±5%	+3.3 VDC ±5%
SUPPLY CURRENT	18mA Max. (1.75 ~ 34.0 MHz) - 25mA Max (34.0 ~ 200.0 MHz)	
SYMMETRY	40/60% OPTION S:45/55%	
RISE/FALL TIME	6 nS max	
FAN OUT	1 TO 10 TTL AND 15pF CMOS	
FREQUENCY DEVIATION	± 100ppm min. (other pull options available)	
CENTER VOLTAGE	2.5V	1.65V
CONTROL VOLTAGE RANGE	0.5V ~ 4.5V	0.3V ~ 3.0V

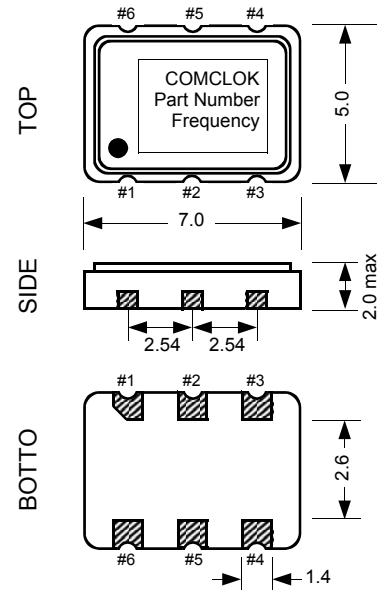
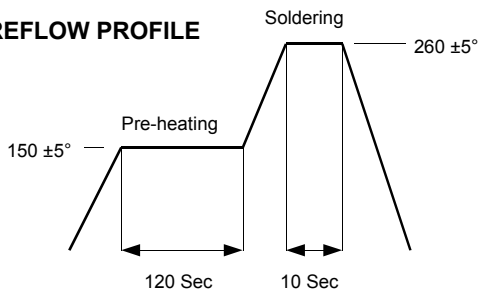
Mechanical Specifications

Recommended Pad Layout



Pad Connections	
# 1	V Con
# 2	En / Disable
# 3	GND
# 4	Output
# 5	N. C.
# 6	Vcc

REFLOW PROFILE



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