

SERIES CO48, 49 AND 47

● FEATURES

- ULTRA SMALL PACKAGE
- EXCELLENT FOR HIGH DENSITY PACKAGING
- SUITABLE FOR WAVE SOLDERING

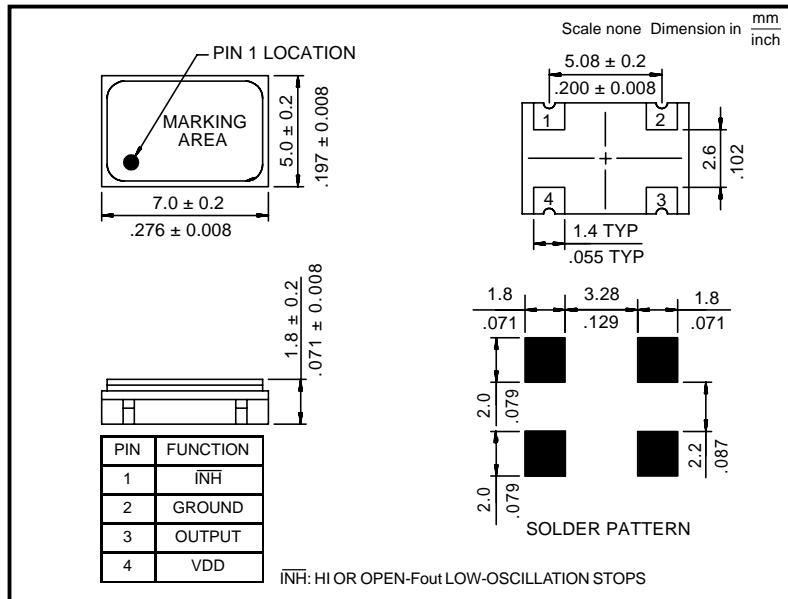
● SPECIFICATIONS

SERIES		CO48	CO49	CO47
FREQUENCY RANGE		1.8432 MHz TO 50.00 MHz	1.8432 MHz TO 50.000 MHz	50.00 MHz - 125.00 MHz
FREQUENCY STABILITY†		CO4810 : ±100 PPM CO4805 : ±50 PPM	CO4910 : ±100 PPM CO4905 : ±50 PPM	CO4710 : ±100 PPM CO4705 : ±50 PPM
TEMPERATURE RANGE	OPERATING	-10° C TO +70° C	-10° C TO +70° C	-10° C TO +70° C
	EXTENDED	-40° C TO +85° C	-40° C TO +85° C	-40° C TO +85° C
	STORAGE	-55° C TO +125° C	-55° C TO +125° C	-55° C TO +125° C
INPUT	VOLTAGE	+5 VDC ±0.5 VDC	+5 VDC ±0.5 VDC	+5.0 VDC ±0.25 VDC
	CURRENT	25 mA MAX	45 mA MAX	50 mA MAX
OUTPUT	LOAD	10 LS TTL MAX OR 15 pF	10 TTL MAX OR 50 pF	50 TO 100 MHz: 25 pF OR 10 TTL 101 TO 125 MHz: 15 pF OR 5 TTL
	SYMMETRY	40 TO 60 %: NORMAL 45 TO 55%: TIGHT	40 TO 60 %: NORMAL 45 TO 55%: TIGHT	40 TO 60 %: NORMAL 45 TO 55%: TIGHT
	LEVEL	VOH=VDD X 0.9 MIN	VOH=VDD X 0.9 MIN	VOH=4 V MIN
		VOL=0.5V MAX	VOL=0.5V MAX	VOL=0.5 V MAX
	RISE TIME	10 ns MAX	10 ns MAX	7 ns MAX
	FALL TIME	10 ns MAX	10 ns MAX	7 ns MAX
ENABLE/DISABLE FUNCTION		PIN 1: HIGH (+2.2 VDC MIN) PIN 3: ENABLED PIN 1: LOW (+0.8 VDC MAX) PIN 3: DISABLED (HIGH IMPEDANCE)		
START-UP TIME		10 ms MAX	10 ms MAX	10 ms MAX
SHOCK		1000 g, 0.35 ms, 1/2 SINEWAVE, 3 SHOCKS IN 3 AXES		
VIBRATION		10 TO 55 Hz AMPLITUDE 1.5 mm, CYCLE 1 MINUTE IN 3 AXES FOR 1 HOUR		

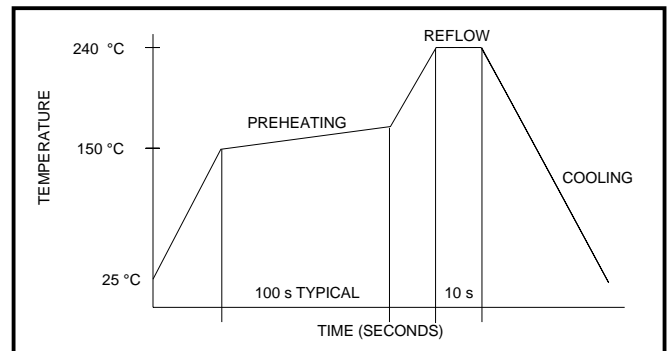


† INCLUSIVE OF 25 C TOLERANCE, OPERATING TEMPERATURE RANGE, VOLTAGE OR LOAD CHANGES, AGING, SHOCK AND VIBRATION

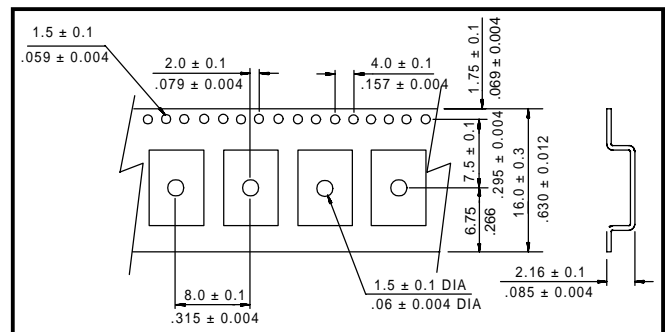
● OUTLINE DRAWING



● REFLOW SOLDERING PROFILE



● CARRIER TAPE DIMENSIONS



● PACKAGING

254 mm REEL DIAMETER, 16mm TAPE WIDTH, 8mm PITCH
QUANTITY: 1000 or 3000 PIECES PER REEL

● PART NUMBERING SYSTEM

SERIES	FREQUENCY STABILITY	FREQUENCY	EXTENDED TEMPERATURE	SYMMETRY	TAPE AND REEL
CO48 CO49 CO47	10 05 ± 100 PPM ± 50 PPM	IN MHZ	EXT EXTENDED (-40°C TO 85°C)	T TIGHT SYMMETRY (45-55%)	TR

EXAMPLE: CO4905-27.000-TR, CO4710-105.00-T-TR