

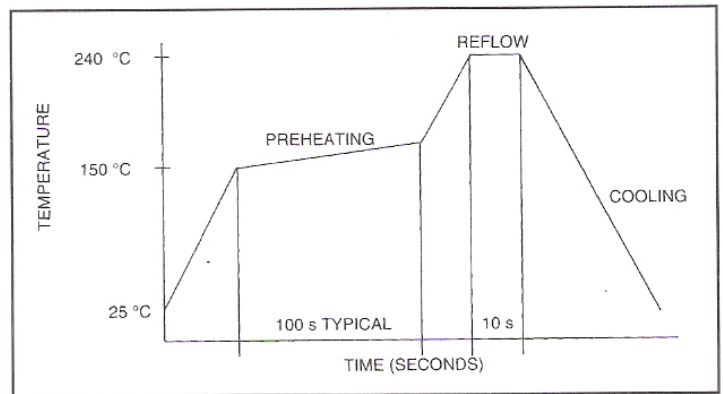
## SERIES L48, 49 AND 47

### ● FEATURES

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

### ● SPECIFICATIONS

### ● REFLOW SOLDERING PROFILE



SERIES		L48	L49	L47
FREQUENCY RANGE		1.8432 MHz TO 50.00MHz	1.8432 MHz TO 50.00MHz	1.8432 MHz TO 50.00MHz
FREQUENCY STABILITY		L4810: ±100PPM L4805: ±50PPM	L4910: ±100PPM L4905: ±50PPM	L4710: ±100PPM L4705: ±50PPM
TEMPERATURE RANGE	OPERATING	-10 TO+70	-10 TO+70	-10 TO+70
	EXTENDED	-40 TO+85	-40 TO+85	-40 TO+85
	STORAGE	-55 TO +125	-55 TO +125	-55 TO +125
INPUT	VOLTAGE	+5 VDC ±0.5VDC	+5 VDC ±0.5VDC	+5VDC ±0.25VDC
	CURRENT	25 mA Max	45 mA Max	50 mA Max
OUTPUT	LOAD	10LS TTL MAX OR 15pF	10 TTL MAX OR 15pF	50 TO 100 MHz: 25pF OR 10 TTL 101 TO 125 MHz: 15pF 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 MIN
		VOH= 0.5V MAX	VOH= 0.5V MAX	VOH= 0.5V 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 PIN1: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, 0.35ms, 1/2 SINEWAVE, 3 SHOCKS IN 3 AXES			
VIBRATION	10 TO 55 Hz AMPLITUDE 1.5MM. CYCLE 1 MINUTE IN 3 AXES FOR 1 FOUR			

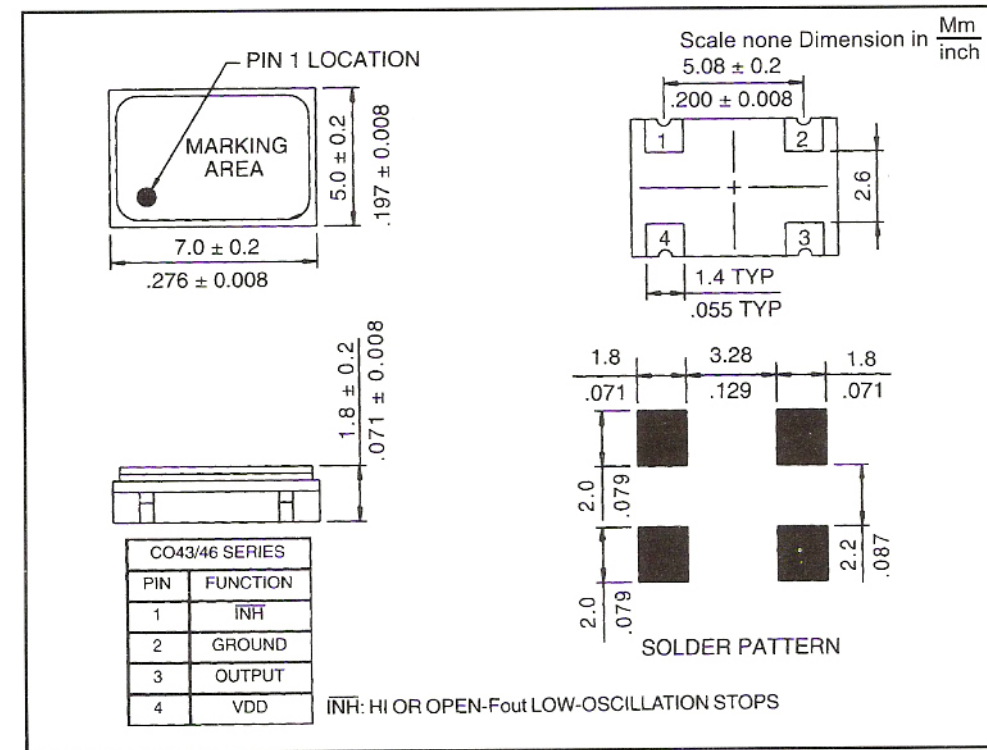
+INCLUSIVE OF 25 TOLERANCE, OPERATING TEMPERATURE RANGE, VOLTAGE OR LOAD CHANGES, AGING,SHOCK AND VIBRATION

### ● PART NUMBERING SYSTEM

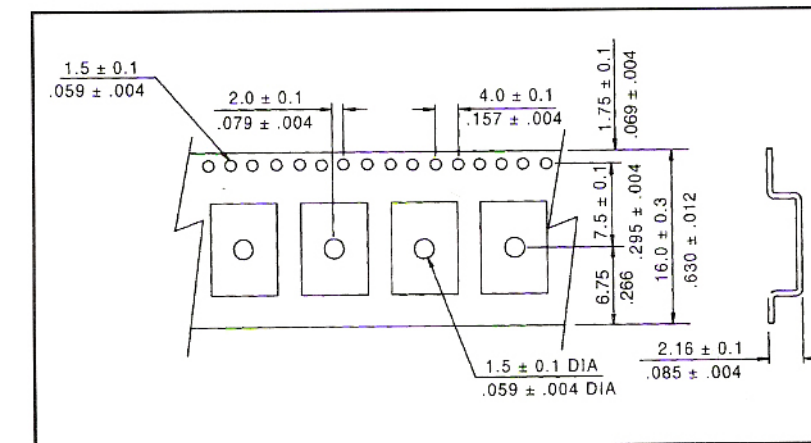
SERIES	FREQUENCY STABILITY		FREQUENCY	EXTENDED TEMPERATURE		SYMMETRY	TAPE AND REEL
	-	±		EXT	EXTENDED		
L48	-	10 ±100PPM	- IN MHz -	EXT	EXTENDED	- T TIGHT SYMMETRY (45-55%)	TR
L49		05 ±50 PPM			(-40 TO 85 )		
L47							

EXAMPLE: L4905-27.000-TR, L4710-105.00-T-TR

● **OUTLINE DRAWING**



● **CARRIER TAPE DIMENSIONS**



● **PACKAGING**

245mm REEL DIAMETER, 16mm TAPE WIDTH, 8mm PITCH  
 QUANTITY: 1000 or 3000 PIECES PER REEL