

FEATURES

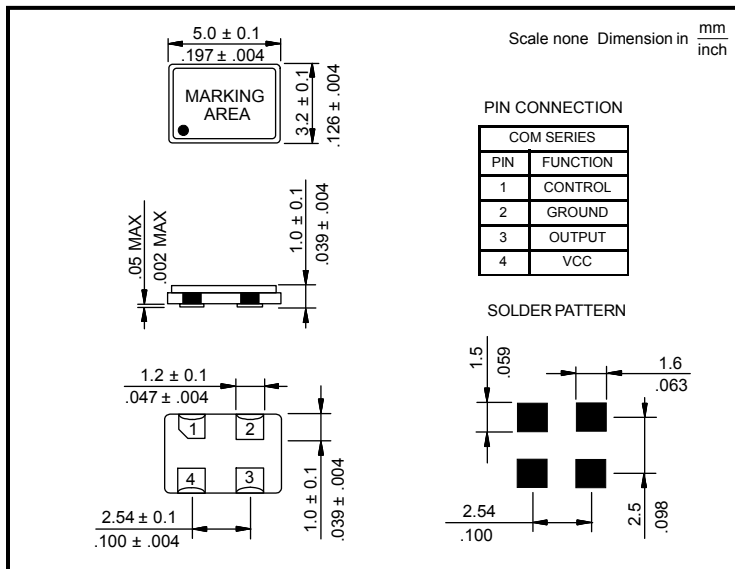
- ULTRA SMALL PACKAGE
- AVAILABLE IN 5.0 V OR 3.0 V
- ENABLE/DISABLE FUNCTION

SPECIFICATIONS

SERIES	COM25	COM23
FREQUENCY RANGE	1.544 MHz TO 125.000 MHz	1.544 MHz TO 156.000 MHz
FREQUENCY STABILITY†	COM2510 : ±100 ppm	COM2310 : ±100 ppm
	COM2505 : ±50 ppm	COM2305 : ±50 ppm
	COM2503 : ±30 ppm	COM2303 : ±30 ppm
OPERATING TEMPERATURE RANGE	-10° C TO +70° C	-10° C TO +70° C
STORAGE TEMPERATURE RANGE	-25° C TO +85° C	-25° C TO +85° C
INPUT	VOLTAGE	+5 VDC ±0.5 VDC
	CURRENT (MAX)	1.544 MHz TO 9.99 MHz: 15 mA MAX 10.00 MHz TO 34.999 MHz: 20 mA MAX 35.00 MHz TO 49.999 MHz: 35 mA MAX 50.00 MHz TO 125.000 MHz: 40 mA MAX
OUTPUT	SYMMETRY	40 TO 60% AT 0.5 VCC
	RISE AND FALL TIME	10 ns MAX
	LOGIC "0" LEVEL	VCC X 0.1 V MAX
	LOGIC "1" LEVEL	VCC X 0.9 V MIN
	LOAD	15 pF
ENABLE/DISABLE FUNCTION	PIN 1: HIGH OR OPEN PIN 3: OSCILLATION PIN 1: LOW PIN 3: HIGH IMPEDANCE	
ENABLE/DISABLE TIME	100 ns MAX	150 ns MAX
STANDBY CURRENT	100 uA MAX (CONTROL=L LEVEL VCC=5.0 V)	100 uA MAX (CONTROL=L LEVEL VCC=3.3 V)

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

OUTLINE DRAWING



PACKAGING

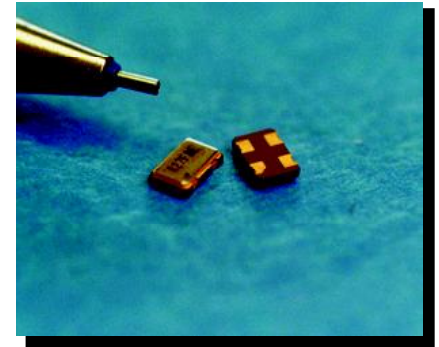
178 mm REEL DIAMETER, 12mm TAPE WIDTH, 8mm PITCH
QUANTITY: 1000 PIECES PER REEL

PART NUMBERING SYSTEM

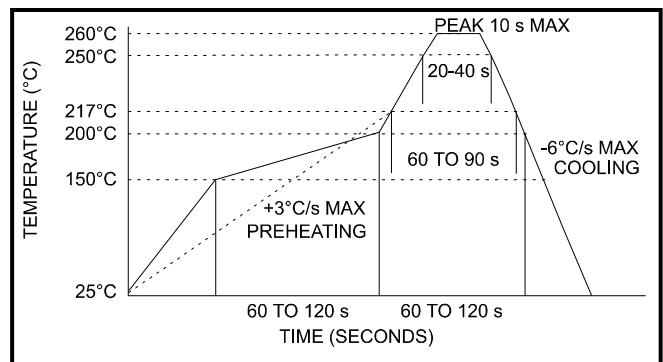
SERIES		FREQUENCY STABILITY		FREQUENCY		TAPE AND REEL
COM23	-	10	±100 PPM	-	IN MHz	-
COM25	-	05	±50 PPM	-		TR
	-	03	±30 PPM	-		

EXAMPLE: COM2503-32.000-TR

SERIES COM25 AND COM23



REFLOW SOLDERING PROFILE



CARRIER TAPE DIMENSIONS

