

FEATURES

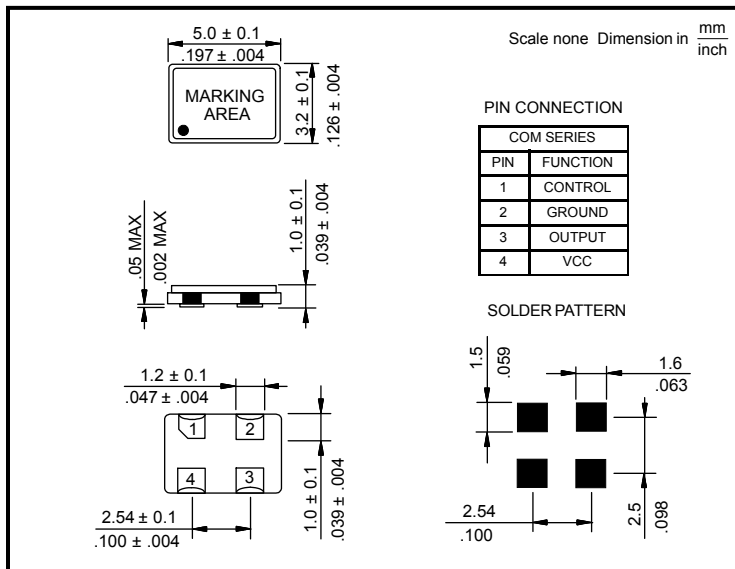
- ULTRA SMALL PACKAGE
- AVAILABLE IN 5.0 V OR 3.0 V
- ENABLE/DISABLE FUNCTION

SPECIFICATIONS

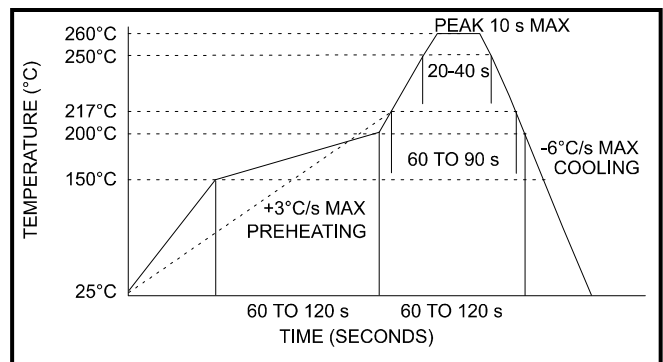
SERIES		COM25	COM23
FREQUENCY RANGE		1.544 MHz TO 125.000 MHz	1.544 MHz TO 156.000 MHz
FREQUENCY STABILITY†		COM2510 : ±100 ppm	COM2310 : ±100 ppm
		COM2505 : ±50 ppm	COM2305 : ±50 ppm
		COM2503 : ±30 ppm	COM2303 : ±30 ppm
OPERATING TEMPERATURE RANGE		-10° C TO +70° C	-10° C TO +70° C
STORAGE TEMPERATURE RANGE		-25° C TO +85° C	-25° C TO +85° C
INPUT	VOLTAGE	+5 VDC ±0.5 VDC	+3.3 VDC ±0.3 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	1.544 MHz TO 19.99 MHz: 7 mA MAX 20.00 MHz TO 31.999 MHz: 12 mA MAX 32.00 MHz TO 49.999 MHz: 20 mA MAX 50.00 MHz TO 79.999 MHz: 25 mA MAX 80.00 MHz TO 99.999 MHz: 30 mA MAX 100.00 MHz TO 156.00 MHz: 40 mA MAX
OUTPUT	SYMMETRY	40 TO 60% AT 0.5 VCC	40 TO 60% AT 0.5 VCC
	RISE AND FALL TIME	10 ns MAX	10 ns MAX
	LOGIC "0" LEVEL	VCC X 0.1 V MAX	VCC X 0.1 V MAX
	LOGIC "1" LEVEL	VCC X 0.9 V MIN	VCC X 0.9 V MIN
	LOAD	15 pF	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

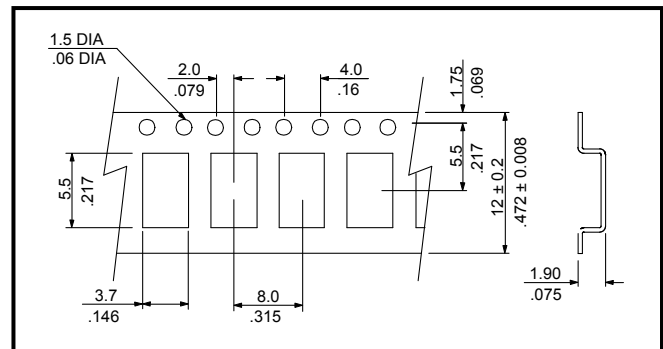
OUTLINE DRAWING



REFLOW SOLDERING PROFILE



CARRIER TAPE DIMENSIONS



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	-	TR
COM25	-	05	±50 PPM	-		-	
	-	03	±30 PPM	-		-	

EXAMPLE: COM2503-32.000-TR

