

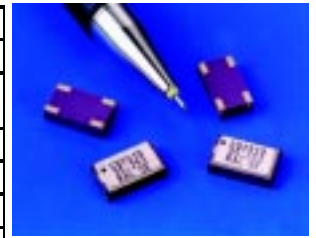
SERIES CO28 AND 29

FEATURES

- 3 STATE FUNCTION
- WIDE FREQUENCY RANGE

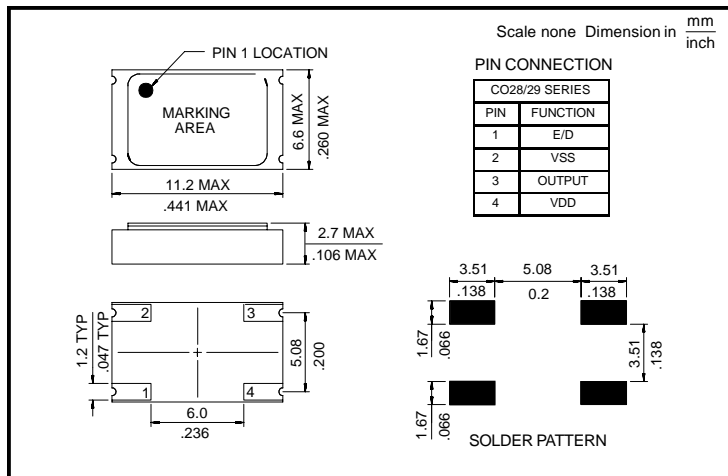
SPECIFICATIONS

| SERIES | | CO28 | CO29 | |
|-------------------------|-----------------------------|---------------------------------------|--|----------------------------|
| FREQUENCY RANGE | | 1.8432 MHz TO 50.00 MHz | 1.8432 MHz TO 90.00 MHz | |
| FREQUENCY STABILITY† | | CO2810 : ±100 PPM CO2805 : ±50 PPM | CO2910 : ±100 PPM CO2905 : ±50 PPM | |
| TEMPERATURE RANGE | OPERATING | -10° C TO +70° C | -10° C TO +70° C | |
| | STORAGE | -55° C TO +125° C | -55° C TO +125° C | |
| INPUT | VOLTAGE | +5 VDC ±0.5 VDC | +5 VDC ±0.5 VDC | |
| | CURRENT | 1.8432 MHz TO 25.00 MHz | 20 mA MAX | 25 mA MAX |
| | | 25.01 MHz TO 50.00 MHz | 35 mA MAX | 45 mA MAX |
| | | 50.01 MHz TO 100.00 MHz | N/A | 80 mA MAX |
| OUTPUT | SYMMETRY (AT 2.5 VDC LEVEL) | | 45 TO 55% NORMAL | 40 TO 60% NORMAL |
| | RISE AND FALL TIME | | 10 ns MAX. | 7 ns MAX |
| | VOLTAGE | LOGIC "0" LEVEL | 0.5 VDC MAX | 0.5 VDC MAX |
| | | LOGIC "1" LEVEL | 4.5 VDC MIN | 4.5 VDC MIN |
| | CURRENT | LOGIC "0" LEVEL | 4 mA | 16 mA |
| | | LOGIC "1" LEVEL | 4 mA | 16 mA |
| | LOAD | | 10 LS TTL MAX. OR 15 pF MOS | 10 N TTL MAX. OR 50 pF MOS |
| | ENABLE TIME | | 100 ns MAX | 100 ns MAX |
| DISABLE TIME | | 100 ns MAX | 100 ns MAX | |
| START-UP TIME | | 3 ms TYP 10 ms MAX | 3 ms TYP 10 ms MAX | |
| ENABLE/DISABLE FUNCTION | | CONTROL (Pin 1) OUTPUT (Pin 3) | OPEN L (VIL = 0.8 VDC) ACTIVE HIGH IMPEDANCE H (VIL = 2.2 VDC) ACTIVE | |

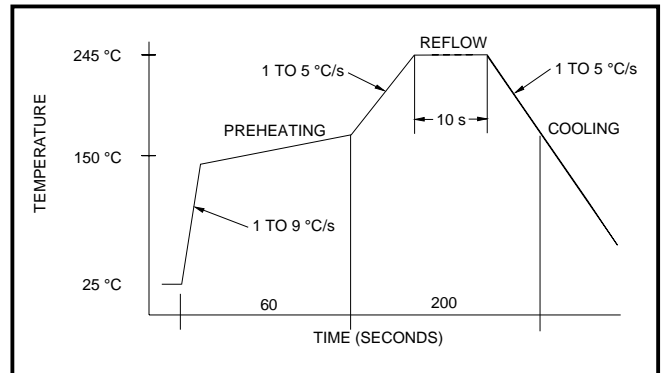


† INCLUSIVE OF 25 C TOLERANCE, OPERATING TEMPERATURE RANGE, VOLTAGE OR LOAD CHANGES, AGING, SHOCK AND VIBRATION

OUTLINE DRAWING



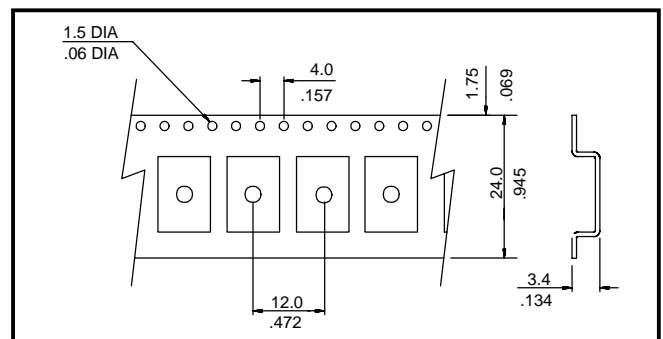
SOLDER PROFILE



PACKAGING

250 or 330mm REEL DIAMETER, 24mm TAPE WIDTH, 12mm PITCH
QUANTITY: 1000 PIECES PER REEL

CARRIER TAPE DIMENSIONS



PART NUMBERING SYSTEM

| SERIES | FREQUENCY STABILITY | FREQUENCY | TAPE AND REEL |
|--------|---------------------|-----------|---------------|
| CO29 | 10 ± 100 PPM | - | - |
| CO28 | 05 ± 50 PPM | IN MHZ | TR |

EXAMPLE: CO2805-24.000-TR, CO2910-66.666-TR