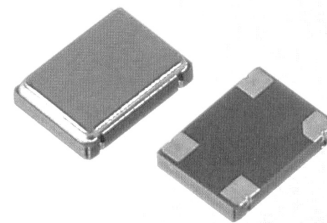


CXO-SMD series CO/COL

CERAMIC PACKAGE SMD OSCILLATOR

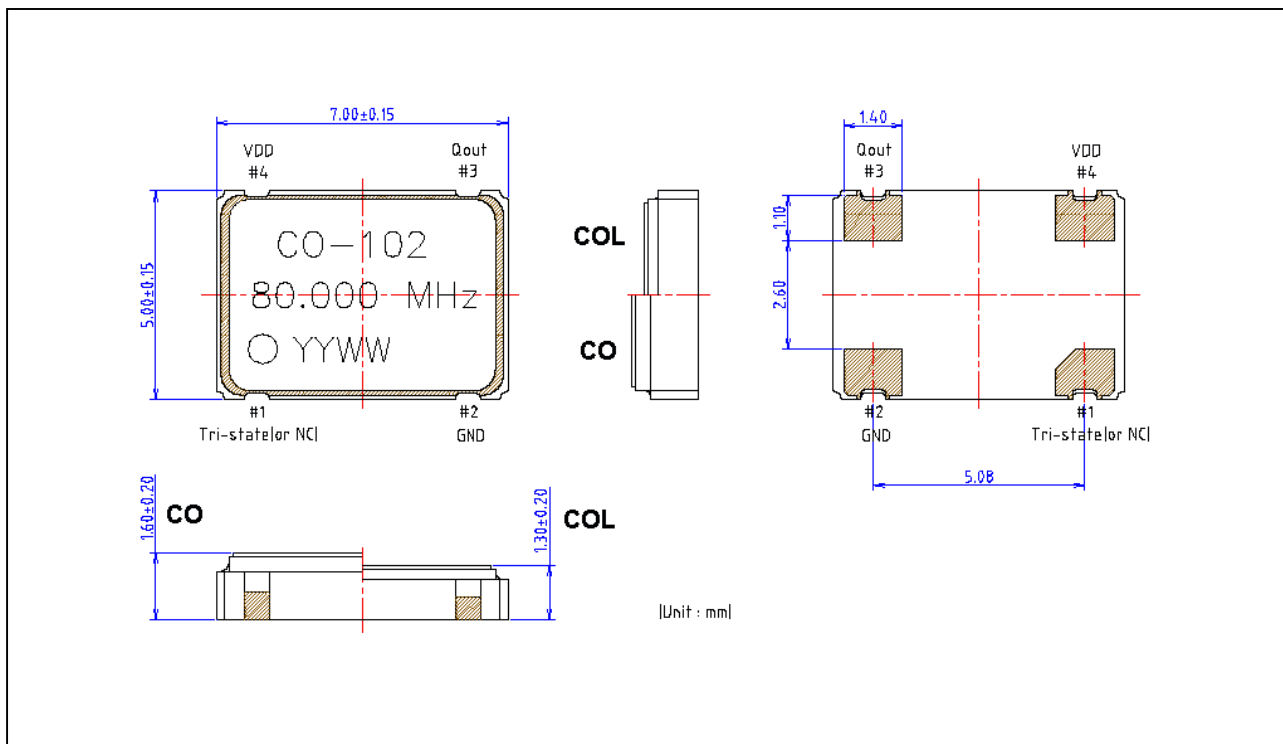
HIGH 1,6mm (CO) / 1,3mm (COL)



Characteristics

Type	CO 102 / COL 102	CO 103 / COL 103	CO 105 / COL 105
Frequency range	1.544 MHz–80 MHz	1.544 MHz–156,25 MHz	1.544 MHz–156,25 MHz
High of oscillator	1,6 mm / 1,3 mm	1,6 mm / 1,3 mm	1,6 mm / 1,3 mm
Supply voltage	2,5 V ± 5%	3,3 V ± 5%	5 V ± 5%
Supply current	5 to 15 mA	10 to 25 mA	20 to 35 mA
Frequency stability with temp.			
-40°C to +85°C	±100,50,25,20 ppm	±100,50,25,20 ppm	±100,50,25,20 ppm
-20°C to +70°C	±50,25,20,15 ppm	±50,25,20,15 ppm	±50,25,20,15 ppm
Waveform	CMOS (TTL)	CMOS (TTL)	CMOS (TTL)
Load	15 pF (up to 50 pF)	15 pF (up to 50 pF)	15 pF (up to 50 pF)
H level V_H	$2,25 V < V_H$	$2,97 V < V_H$	$4,5 V < V_H$
L level V_L	$V_L < 0,25V$	$V_L < 0,33V$	$V_L < 0,5V$
Duty cycle	45 – 55 %	45 – 55 %	45 – 55 %
Rise time/Fall time	5,1 ns max	5,1 ns max	5,1 ns max
Start-up time	10 ms max	10 ms max	10 ms max

Outline drawing



Note

Applications: Set-top box, ADSL modems, XDSL modems, PLL circuit, FM modulators, Cellular base station, Test equipment