

Crystal Clock Oscillator 156.25 MHz

Datacom Fixed Frequency Oscillator
 Low Jitter
 Low Phase Noise
 No PLL

LVPECL Output
 Application Specific

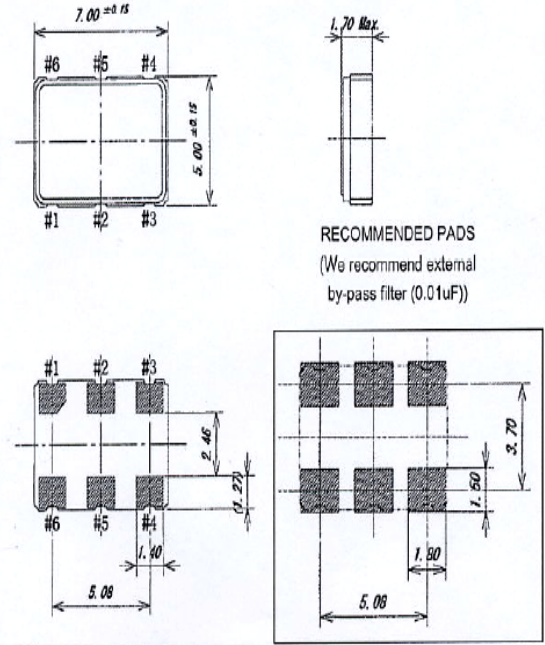
Part Numbering Example: COP 7 L - A5 BP - 45 156.25 TS

COP	7	L	A5	BP	45	156.25	TS
SERIES	PACKAGE STYLE	VOLTAGE	OPERATING TEMP	STABILITY	SYMMETRY	FREQ.	TRISTATE
COP	7 = 5 x 7 Ceramic	L = 3.3 V	A5 = -20 to +70 C	BP = 50 ppm	45/55	Fixed	TS = Tri

Specifications:

Package Size:	7.0mm x 5.0mm		
Frequency:	156.250MHz		
Supply Voltage:	3.3Vdc ± 5%		
Frequency Stability:	± 50ppm (incl. tolerance, temperature, voltage & load change, shock & vibration, 1yr ageing)		
Operating Temperature:	-20 to +70°C		
Storage Temperature:	-55°C to +125°C		
Current Consumption:	70mA max.		
Symmetry:	45/55%		
Rise & Fall Time:	0.6ns typ. 1.0ns max.		
Output Load:	50 Ohms		
Output Voltage:	Voh = Vcc 1.025V min. Vol = Vcc 1.620 max.		
Tristate:	pin #1	Open	Active
		≥0.7 Vcc	Active
		≤0.3Vcc	High Z
Active High E/D function on Jitter (RMS)	pin #1	4ps typ. (5ps max.) Complimentary Output	

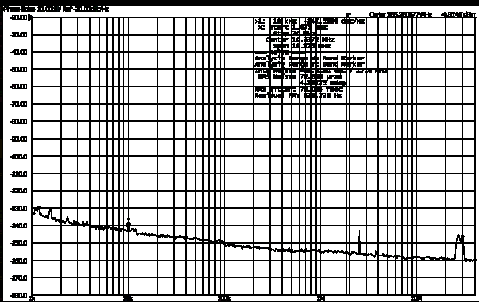
COP



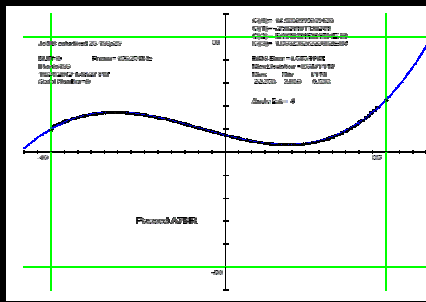
Pin Connections

pin #1	E/D
pin #2	N/C
pin #3	GND
pin #4	OUT
pin #5	OUTN
pin #6	Vcc

Typical Phase Noise



Typical Temperature Curve



Typical Jitter

