

Crystal Clock Oscillator 25.0 MHz

Datacom Fixed Frequency Oscillator

Low Jitter

Low Phase Noise

LVDS Output

Application Specific

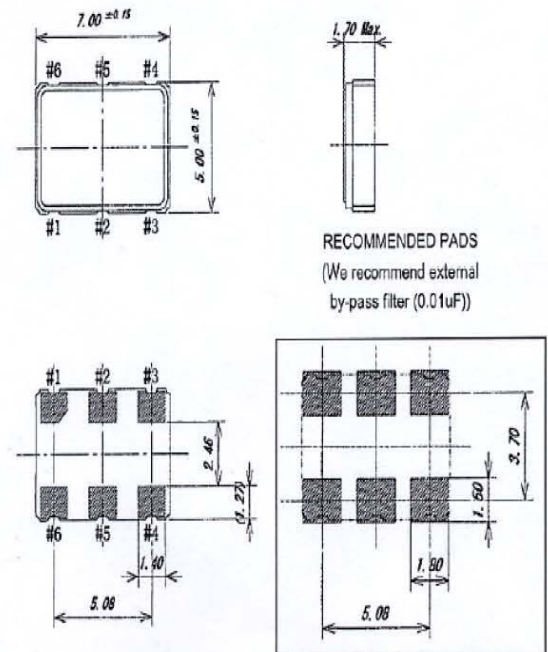
Part Numbering Example: COL BP 7 R 45 A5 25.0 TS

COL	BP	7	R	45	A5	25.0	TS
SERIES	STABILITY	PACKAGE STYLE	VOLTAGE	SYMMETRY	OPERATING TEMP	FREQUENCY	TRISTATE
	BP = 50 ppm	7 = 5 x 7	R = 2.5 V	45/55	A5 = -20 to +70 C	Fixed	TS = Tri State

Specifications:

Package Size:	7.0mm x 5.0mm
Frequency:	25.000MHz
Supply Voltage:	2.5Vdc ± 5%
Frequency Stability:	± 50ppm (incl. tolerance, temperature, voltage & load change, shock & vibration, 1yr ageing)
Operating Temperature:	0 to +70°C
Storage Temperature:	-40°C to +85°C
Current Consumption:	40mA max.
Symmetry:	40/60%
Rise & Fall Time:	0.7ns max.
Output Load:	100 Ohms
Output Differential Voltage:	VDD = 247mV min. 454mV max.
Output Offset Voltage:	Vos = 1.125V min. 1.375V max.
Tristate:	pin #1 Open Active ≥0.7 Vcc Active ≤0.3Vcc High Z
Active High E/D function on Jitter (RMS)	pin #1 3ps max Complimentary Output

COL



Pin Connections

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

