Typical Applications

Telecommunication

Features

5x7 Ceramic Oscillator

Frequency range

2 MHz – 45 MHz

Frequency stabilities

Parameter	Code I	Frequency stability	Operating temp range
	54	± 100 ppm	0....70 °C
	55	± 50 ppm	
	56	± 25 ppm	

Frequency tuning

Parameter	Code II	Value	Condition
Electrical frequency control	**60**	> 50ppm	
	61	>100 ppm	
Voltage range		0.5V to 4.5V 0.15V to 3.15V	@ V_S=5V @ V_S=3.3V
Pulling slope		Positive	

RF output

Parameter	Value	Condition
Signal	CMOS	Note 1
Load	15pF	
Duty cycle	40/60%	@ Vs/2

Supply Voltage

Parameter	Code III	Value	Condition
Supply voltage (Vs)	**05**	5V ± 5%	
Power consumption steady state		< 25 mA	< 20 MHz
		< 40 mA	< 40 MHz
Supply voltage (Vs)	**33**	3.3V ± 5%	
Power consumption steady state		< 15 mA	< 20 MHz
		< 20 mA	< 40 MHz

Additional parameters

Parameter	Value	Condition
Frame Specification	TQA 9000	

Corning Frequency Control Inc. • 100 Watts Street • Mt. Holly Springs, PA 17065 • Tel 1-717-486-3411 • Fax 1-717-486-5920 • www.corningfrequency.com
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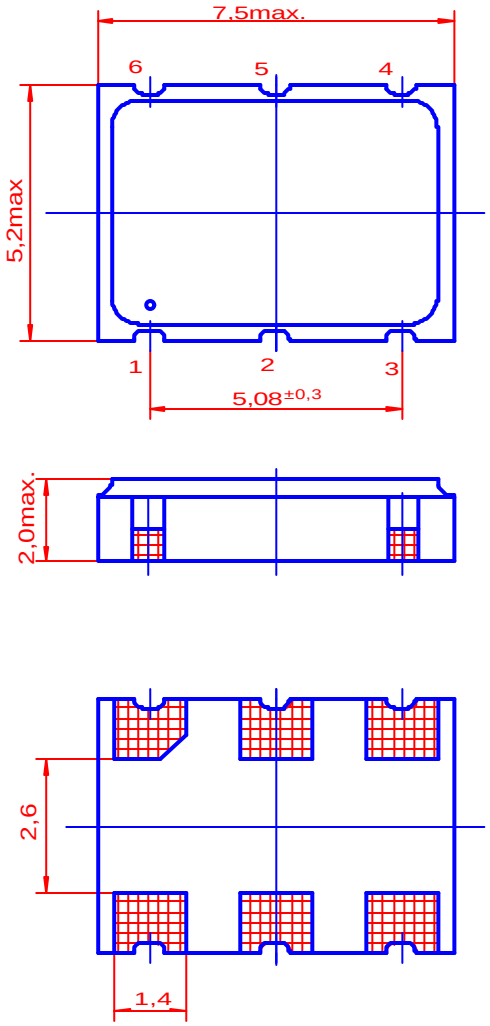
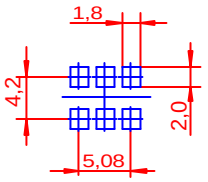
Enclosure

Drawing

all Units in mm





Padvorschlag
PCB Layout

Pin Connections

Pin 1	Control Voltage (V_C)
Pin 2	Enable (Tri-State)
Pin 3	GND
Pin 4	RF output
Pin 5	I.C.
Pin 6	Supply Voltage (V_s)

	Ordering Code	Code I	Code II	Code III		
	Model	**Frequency Stability**	**Frequency tuning**	**Supply Voltage**	**Frequency**	
Example:	BC	44	60	05	10M00000	
Order:	BC					

Notes

1 can drive TTL, ACMOS and CMOS

Unless otherwise stated all values are valid after warm-up time and refer to typical conditions for supply voltage, frequency control voltage, load, temperature (25°C)

Subject to technical modification; Not all options are available at all Frequencies

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