Typical Applications

Telecommunication
Wireless Application

Features

Mechanical Control (internal Trimmer)
Standard 4-Pin DIP Package

Frequency Range

1 MHz – 35 MHz

Frequency Stabilities

Parameter	Code I	Frequency stability	Operating temp range
vs. Operating temperature range	**15**	± 5.0 ppm	-30....+75°
	17	± 2.5 ppm	
	18	± 5.0 ppm	-20....+70°C
	19	± 2.5 ppm	
	13	± 1.5 ppm	
	38	± 5.0 ppm	-10....60°C
	39	± 2.5 ppm	
	40	± 1.5 ppm	

Parameter	Value	Condition
vs. Supply voltage change	< ± 0.5 ppm	V_s ± 5%
vs. Load change	< ± 0.3 ppm	Load ± 5%
vs. Aging / year	< ± 1.0 ppm	

Frequency Tuning

Parameter	Code II	Value	Condition
Mechanical (No EFC)	**Blank**	> ± 3.0 ppm	(internal trimmer)
Electrical freq. control (EFC)	**U**	> ± 5.0 ppm	Note 1
Voltage range (Vc)		0.5 V to 4.5 V	@ V_S=5V
Pulling slope		Positive	

RF Output

Parameter	Code III	Value	Condition
Signal	**06**	HCMOS	Note 2
Load		15pF ± 10%	
Duty cycle		40/60%	@ Vc/2
Signal	**07**	Clipped sinewave	Frequency >9.6 MHz
Load		20kΩ || 5pF	
Output power		> 1 V_{PP}	@ 20kΩ || 5pF

Supply Voltage

Parameter	Value	Condition
Supply voltage (V_s)	5V ± 5%	
Power consumption steady state	< 3 mA	Clipped Sinewave
	< 20mA	HCMOS

Additional parameters

Parameter	Value	Condition
Frame Specification	TQA 9000	

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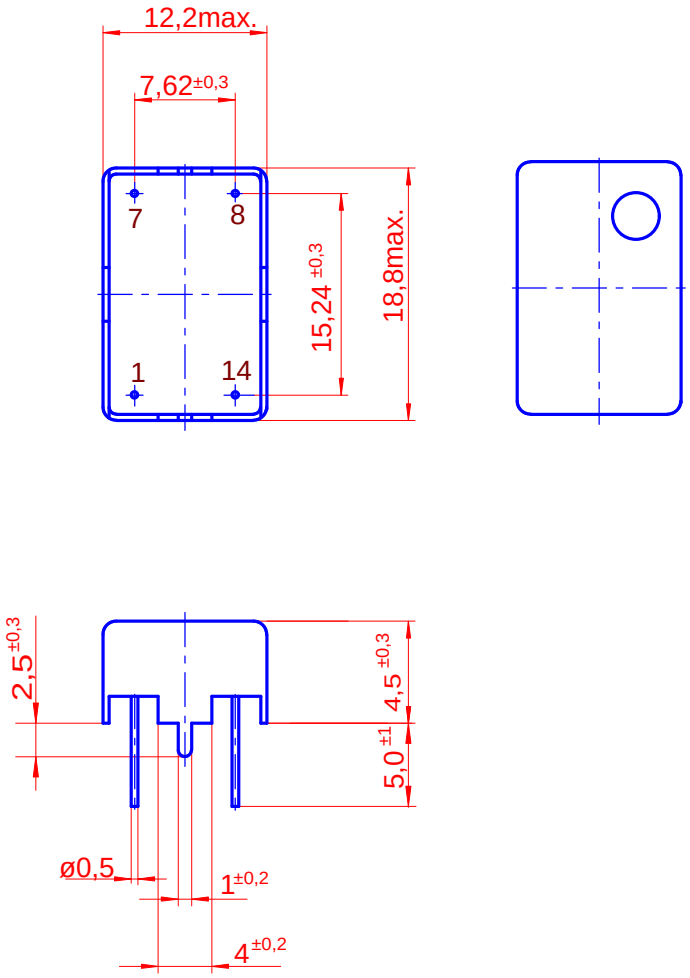
Enclosure

Drawing

all Units in mm



Pin	1	Voltage Control	**Code II U**
Pin	1	N/C	
Pin	7	GND	
Pin	8	RF output	
Pin	14	Supply Voltage (V_s)	

	Ordering Code	Code I	Code II	Code III	
	Model	**Frequency Stability**	**Frequency tuning**	**RF Output**	**Frequency**
Example:	CA	15	U	06	10M00000
Order:	CA				

Notes

1 Option “U” includes the mechanical frequ. control

2 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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