



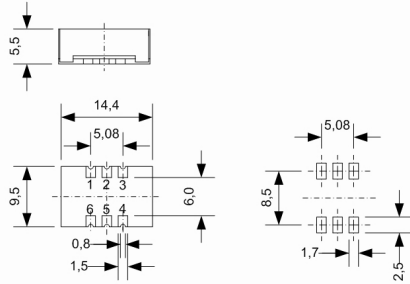
Specification: QTXTH05

Oszillator: VCTCXO

Enclosure

CO 27

PIN CONNECTIONS



- 1 V_C
- 2 NC
- 3 Gnd
- 4 RF output
- 5 NC
- 6 V_{DD}



PARAMETER	MIN	TYP	MAX	UNIT	NOTE
Frequency range	10		40	MHz	¹⁾
Frequency stability					
Nominal tolerance		± 3		ppm	$V_C = V_{DD} / 2$
vs. temperature in operating temp. range		± 1		ppm	²⁾
vs. supply voltage			± 0.2	ppm	
vs. load change			± 0.2	ppm	
aging			< ±1	ppm	+ 25°C, 1 st year
Frequency adjustment					
Voltage control sensitivity	7		15	ppm / V	
Voltage control range	0		V_{DD}	V	
Slope ($\Delta f / \Delta V_C$)		positive			
Supply voltage V_{DD}		3.3		V	
Current consumption		6		mA	¹⁾
RF output					
Signal waveform		HCMOS			
load		10		pF	
duty cycle		45 - 55		%	
rise / fall time		3		ns	
start-up time		2		ms	
Operating temperature range	- 40		+ 85	°C	
Storage temperature range	- 45		+ 120	°C	
Phase noise		< - 120		dBc/Hz	at 100 Hz
Enclosure	CO 27				(see drawing)
ESD rating (HBM)			2	kV	

Note: ¹⁾ $f_{min} = 5.0$ Mhz, divider $f_0 / 2$

²⁾ $df_0 = \pm 0.3$ ppm at temperature range + 10 ... + 50°C