

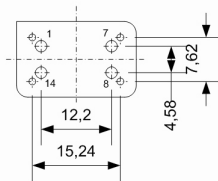
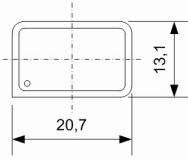
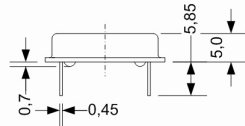


Specification: QTXTH03

Oszillator: VCTCXO

### Enclosure

DIL 14



### PIN CONNECTIONS

- 1 NC
- 7 GND
- 8 RF Output
- 14 V<sub>DD</sub>



PARAMETER	MIN	TYP	MAX	UNIT	NOTE
Frequency range	10		40	MHz	<sup>1)</sup>
Frequency stability					
Nominal tolerance		± 3		ppm	V <sub>c</sub> = V <sub>dd</sub> / 2
vs. temperature in operating temp. range		± 1		ppm	<sup>2)</sup>
vs. supply voltage			± 0.2	ppm	
vs. load change			± 0.2	ppm	
aging			< ±1	ppm	+ 25°C, 1 <sup>st</sup> year
Frequency adjustment					
Voltage control sensitivity	7		15	ppm / V	
Voltage control range	0		V <sub>DD</sub>	V	
Slope (Δf / ΔVc)		positive			
Supply voltage V <sub>DD</sub>		3.3		V	
Current consumption		6		mA	<sup>1)</sup>
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	DIL-14				(see drawing)
ESD rating (HBM)			2	kV	

Note: <sup>1)</sup> f<sub>min</sub> = 5.0 Mhz, divider f<sub>0</sub> / 2

<sup>2)</sup> df<sub>0</sub> = ± 0.3 ppm at temperature range + 10 ... + 50°C