

Oscillator THT, oven-controlled



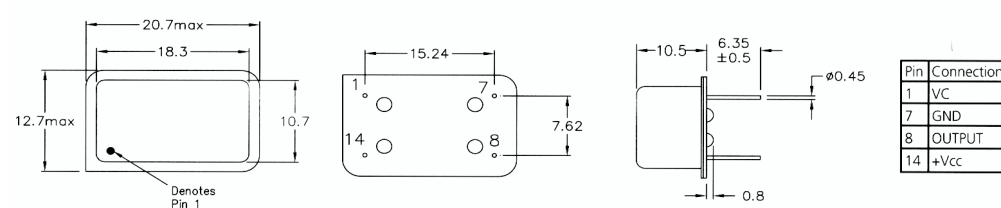
Features:

- Wide frequency range
- Ultra High Frequency stability
- CMOS output



AOCQO 14

Specification		
Frequency Range	10.0MHz ~ 20.0MHz	Please specify
Initial Stability	±500ppb	
Frequency Stability		
vs Operating Temperature	±500ppb	
vs Load Variation ±10%	±20ppb	
vs Supply Voltage	±20ppb	
Long term stability per year	±0.5ppm	
Operating temperature	-20°C ~ +70°C	
Storage temperature	-40°C ~ +85°C	
Frequency adjustment	±5ppm	
Supply voltage	5.0Vdc ±5%	
Current consumption at 25°C	220mA max.	
Current consumption at warm up	500mA max.	
Output signal	CMOS	
Contol voltage range	2.5V ±2.0V	
Slope	positive	
Warm up time (within 1×10^{-7})	5 Min. max.	
Input impedance	10k Ohm min.	
Phase noise	10Hz	-100dBc/Hz
	100Hz	-125dBc/Hz
	1kHz	-135dBc/Hz
	10kHz	-145dBc/Hz
	100kHz	-150dBc/Hz

Drawing	
AOCQO 14	
	
Dimensions in mm	

Order key						
O	- 10.000000M	- AOCQO 14	- 5	- 5.0	- A	- T
Part	Frequency	Type/Package	Tolerance	Voltage	Temperature	Option
O=Oscillator	M=MHz	AOCQO=Oven controlled QO 14=DIL 14	±ppm	5.0=5.0Volt	A= 0°C ~ +70°C B= -10°C ~ +60°C C= -10°C ~ +70°C D= -20°C ~ +70°C	X=Special options