

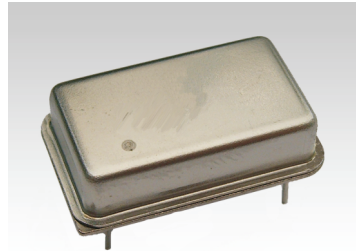
Oscillator THT, voltage-controlled

AVCQO 14

Features:



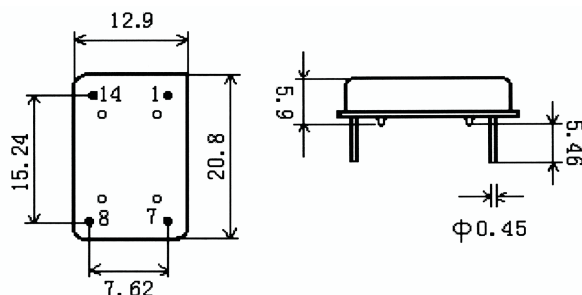
- Standard DIL14 package
- Wide frequency range
- Frequency stability
- High qualified package small dimension
- Clipping sine wave



Specifications		Specifications		Remarks
Series		AVCQO 14		
Nominal frequency range		1.00MHz ~ 160.00 MHz		Please specify
Frequency stability		±25ppm ~ ±100ppm		Please specify
Absolute pull range		±50ppm min ~ ±100ppm min		Please specify
Operating temp. range		0°C ~ +70°C ~ -40°C ~ +85°C		Please specify
Control voltage range		1.65V ±1.65V or 2.5V ±2.0V		
Center frequency		1.65V ±0.05V or 2.5V ±0.05V		
Linearity		±10%		
Input impedance		10k Ohm		Min
Modulation bandwidth		>10 kHz		
Supply voltage		+3.3 V or +5.0 V, ±5%		Please specify
Supply current		50mA		Max
Storage temperature range		-40°C ~ +85°C		
Rise & Fall Time		10ns		Max
Output Waveform		CMOS, TTL		
Symmetry		50% ±10%		
Output Voltage	V _{OH}	2.4V _{dd} or 0.9V _{dd}		Max
	V _{OL}	0.4V _{dd} or 0.1V _{dd}		Min
Output Current		±8mA		Max
Phase Noise	10HZ	-75dbc/Hz (1.0MHz~40.0MHz)	-50dbc/Hz (40.0MHz~160.0MHz)	
	10KHz	-145dbc/Hz (1.0MHz~40.0MHz)	-90dbc/Hz (40.0MHz~160.0MHz)	
Start-up Time		10ms		Max

Drawing

AVCQO 14



Pin	Connection
1	VC
7	GND
8	Output
14	VDC

Dimensions in mm

Order key

Part	Frequency	Type/Package	Tolerance	Voltage	Temperature	Option
O	- 60.000000M	- AVCQO 14	- 50	- 5.0	- A	- T
O=Oscillator	M=MHz	AVCQO=Voltage controlled QO 14=DIL 14	±ppm	5.0=5.0Volt 3.3=3.3Volt	A= 0°C ~ +70°C B= -10°C ~ +60°C C= -10°C ~ +70°C D= -20°C ~ +70°C	T=Tristate 3=Load 30pF 5=Load 50pF X=Special options