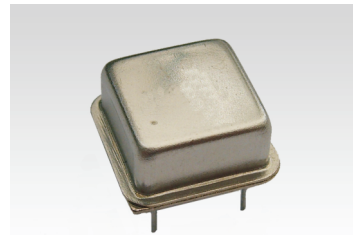


Oscillator THT, voltage-controlled



AVCQO 08

Features:

- Standard DIL 8 package
- Wide frequency range
- Pulling range ± 100 ppm
- Clipping sine wave

Specifications		Specifications		Remarks
Series		AVCQO 14		Remarks
Nominal frequency range		1.00MHz ~ 160.00 MHz		Please specify
Frequency stability		± 25 ppm ~ ± 100 ppm		Please specify
Absolute pull range		± 50 ppm min ~ ± 100 ppm min		Please specify
Operating temp. range		0°C ~ + 70°C ~ -40°C ~ + 85°C		Please specify
Control voltage range		1.65V \pm 1.65V or 2.5V \pm 2.0V		
Center frequency		1.65V \pm 0.05V or 2.5V \pm 0.05V		
Linearity		$\pm 10\%$		
Input impedance		10k Ohm		Min
Modulation bandwidth		>10 kHz		
Supply voltage		+3.3 V or +5.0 V, $\pm 5\%$		Please specify
Supply current		50mA		Max
Storage temperature range		-40°C ~ +85°C		
Rise & Fall Time		10ns		Max
Output Waveform		CMOS, TTL		
Symmetry		50% $\pm 10\%$		
Output Voltage	V_{OH}	2.4Vdd or 0.9Vdd		Max
	V_{OL}	0.4Vdd or 0.1Vdd		Min
Output Current		± 8 mA		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 08

Pin	Connection
1	VC
4	GND
5	OUT
8	VDC

Dimensions in mm

Order key

Part	Frequency	Type/Package	Tolerance	Voltage	Temperature	Option
O	40.000000M	AVCQO 08	- 50	- 5.0	- A	- T
O=Oscillator	M=MHz	AVCQO=Voltage controlled QO 08=DIL 8	\pm 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 E= -40°C ~ +85°C	X=Special options