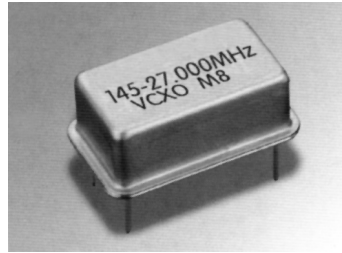


AVCXO 14

Features/Merkmale

- Wide Frequency Range/Grosser Frequenzbereich
- Frequency Stability/ Stabile Frequenz
- High Qualified Package Small Dimension/
- hochwertiges Gehäuse mit geringen Abmessungen
- Clipping Sine Wave



Item	Specifications/Spezifikationen	Remarks/Bemerkungen
Series/Serie	AVCXO 14	
Normal Frequency Range/Frequenz	1.00 ~ 160.00 MHz	Please Specify/Bitte angeben
Frequency Stability/Frequenz Stabilität	$\pm 5\text{ppm} \sim \pm 40\text{ppm}$	Please Specify/Bitte angeben
Absolute Pull Range/Ziehbereich	$\pm 100\text{ppm Min} \sim \pm 250\text{ppm Min}$	Please Specify/Bitte angeben
Operating Temp. Range / Temp. Bereich	$0^{\circ}\text{C} \sim + 70^{\circ}\text{C} / -20^{\circ}\text{C} \sim + 70^{\circ}\text{C}$	Please Specify/Bitte angeben
Output Waveform and Load Characteristics/ Ausgangssignal	See Table 1	Please Specify/Bitte angeben
Control Voltage Range/Steuerspannung	0.5 VDC ~ 4.5 VDC	
Center Frequency/Mittelfrequenz	+ 2.5 VDC, $\pm 0.25\text{ VDC}$	
Linearity/Linearität	$< \pm 10\%$	
Input Impedance/Eingangsimpedanz	$> 50\text{k Ohm}$	
Modulation Bandwidth/Modulationsbreite	$< 15\text{ kHz}$	
Supply Voltage/Versorgungsspannung	+ 3.3 VDC, + 5.0 VDC, $\pm 5\%$	Please Specify/Bitte angeben
Supply Current/Strom	$< 50\text{ MHz}, 25\text{mA (max.)}, < 90\text{ MHz}, 50\text{mA (max.)}$ $< 125\text{ MHz}, 60\text{mA (max.)}$	
Package/Gehäuse	DIP 14	
Storage Temperature Range/Lagertemp.	$- 40^{\circ}\text{C} \sim + 100^{\circ}\text{C}$	

Waveform	Frequency Range	Oscillation Tate	Output Characteristics
Clipping Sine Wave	8.00MHz ~ 40.00MHz 40.00MHz ~ 160.00MHz	F: Fundamental O: Overtone	Load: 10K Ω /10pF Output level: $> 1\text{Vp-p}$
TTL	1.00MHz ~ 40.00MHz 40.00MHz ~ 160.00MHz	F: Fundamental O: Overtone	Load: Max. 10 low power Consumption, TTL gates "1" level: $> + 2.4\text{ VDC}$; "0" level: $< + 0.2\text{ VDC}$ Duty cycle: 45/55, Rise/fall time: $< 6\text{ ns}$
HCMOS	1.00MHz ~ 40.00MHz 40.00MHz ~ 160.00MHz	F: Fundamental O: Overtone	Load: Max. 10 low power Consumption, TTL / HCMOS "1" level: $> + 4.5\text{ VDC}$; "0" level: $< + 0.5\text{ VDC}$ Duty cycle: 45/55, Rise/fall time: $< 6\text{ ns}$
ACMOS	1.00MHz ~ 40.00MHz 40.00MHz ~ 160.00MHz	F: Fundamental O: Overtone	Load: Max. 10 low power Consumption, TTL / ACMOS "1" level: $> + 4.5\text{ VDC}$; "0" level: $< + 0.5\text{ VDC}$ Duty cycle: 45/55, Rise/fall time: $< 6\text{ ns}$

Drawing/Zeichnung										
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>PIN</th> <th>CONNECTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+Vc CONTROL</td> </tr> <tr> <td>7</td> <td>GND</td> </tr> <tr> <td>8</td> <td>OUTPUT</td> </tr> <tr> <td>14</td> <td>+Vcc</td> </tr> </tbody> </table>	PIN	CONNECTION	1	+Vc CONTROL	7	GND	8	OUTPUT	14	+Vcc
PIN	CONNECTION									
1	+Vc CONTROL									
7	GND									
8	OUTPUT									
14	+Vcc									

Dimensions/Abmessungen in mm

- Remarks/Bemerkungen: 1.All specifications subject to change without notice. / Wir behalten uns vor Daten ohne Mitteilung zu ändern.
2. Frequency stability included 25°C tolernce, teperature change, voltage changhe, load change and years aging.
3. Surface mount is optional/