

CRYSTAL OSCILLATORS

T-50-05

Oven Controlled Crystal Oscillators

Model	HXO-1841B	HXO-5841B	HXO-1741B	HXO-1741A
Freq. Range	1 MHz ~ 10 MHz		1 ~ 10 MHz	10 ~ 60 MHz
Temp. Range	0 °C ~ 50 °C			
Freq. Stability	$\pm 1 \times 10^{-9}$ /day max.	$\pm 5 \times 10^{-9}$ /day max.	$\pm 1 \times 10^{-7}$ /day max.	
Output	Level	TTL level		0.3 Vrms min.
	Wave Form	Square		Sine
Load	Fan Out 2			100 Ω
Input	Voltage	± 12 V DC		
	Current	300 mA max. (450 mA max. in rising up)		
Dimension & Termination	Fig. 4			

Temperature Compensated Crystal Oscillators

Model	TXO-1621B	TXO-1632B	TXO-1633B	TXO-3622B	TXO-1621A	TXO-1632A	TXO-3635A
Freq. Range	1 ~ 10 MHz				10 ~ 60 MHz		
Temp. Range	0 ~ +50 °C	-10 ~ +50 °C	-20 ~ +50 °C	-10 ~ +50 °C	0 ~ +50 °C	-10 ~ +50 °C	-30 ~ 70 °C
Freq. Stability	$\pm 1 \times 10^{-6}$ max.			$\pm 3 \times 10^{-6}$ max.	$\pm 1 \times 10^{-6}$ max.		$\pm 3 \times 10^{-6}$ max.
Output	Level	TTL level				0.3 Vrms min.	
	Wave Form	Square				Sine	
Load	Fan Out 2				100 Ω		
Input	Voltage	+5V DC	+12V DC	+5V DC	+12V DC	+5V DC	
	Current	30mA max.	20mA max.	30mA max.	20mA max.	30mA max.	
Dimension & Termination	Fig. 2	Fig. 3	Fig. 2	Fig. 3			

Standard Crystal Oscillators

Model	SCO-1462B	SXO-5612A	SXO-5652 A
Freq. Range	3 ~ 60 MHz	7 ~ 180MHz	60 ~ 200 MHz
Temp. Range	-10 ~ +50 °C		
Freq. Stability	$\pm 100 \times 10^{-6}$ max.	$\pm 5 \times 10^{-6}$ max.	
Output	Level	TTL level	0.1 Vrms min.
	Wave Form	Square	0.2 Vrms min.
Load	Fan Out 2	Sine	100 Ω
Input	Voltage	+ 5 VDC	+ 9 VDC
	Current	13mA max.	10mA max.
Dimension & Termination	Fig. 6	Fig. 1	Fig. 5

Voltage Controlled Crystal Oscillators

Model	VXO-5622A	VXO-5631A	VXO-5622B
Freq. Range	5 ~ 20 MHz	20 ~ 60MHz	5 ~ 20MHz
Temp. Range	-10 ~ 50 °C		
Freq. Stability	$\pm 5 \times 10^{-6}$ max.		
Output	Level	0.3 Vrms min.	0.2 Vrms min.
	Wave Form	Sine	TTL Level
Load	300 Ω	Square	Fan Out 2
Input	Voltage	+ 9 VDC	+ 5 VDC
	Current	30 mA max.	
Control Voltage	+ 5 V \pm 2 VDC		
Freq. Deviation	± 50 ppm min		
Dimension & Termination	Fig. 2	Fig. 3	Fig. 2