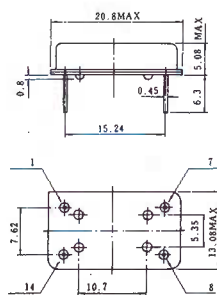


C Crystal Clock Oscillators <CXO>

Item		Model	CXO-046B(Z)	CXO-043B	CXO-049B(Z)	CXO-824B	CXO-829B(Z)	CXO-826B(Z)
Frequency Range			3.5MHz~50MHz	3.5MHz~60MHz	1MHz~80MHz	4MHz~40MHz	1MHz~50MHz	1MHz~80MHz
Frequency stability			±50×10 ⁻⁶					
Temperature	Operating	0 ~70℃						
Range	Storage	-55~125℃						
Power	Voltage	+ 5 V ±0.5 V						
Supply	Current	20mA MAX.	25mA MAX.	30mA MAX.	20mA MAX.	20mA MAX.	40mA MAX.	
Output	Waveform	CMOS	TTL	TTL	CMOS	CMOS	TTL	
	Level	V _{DD} level	*0 ^o =0.4V MAX. *1 ^o =2.4V MIN.		V _{DD} level	V _{DD} level	*0 ^o =0.4V *1 ^o =2.4V	
	Symmetry	40~60%						
	Rise/Fall Time	15nS MAX.	15nS MAX.	5 nS MAX.	10nS MAX.	5 nS MAX.	5 nS MAX.	
	Output Load	LS-TTL10	1 to 10 TTL gates			LS-TTL10		1 to 10TTLgates
Outline			Fig 16			Fig 17		

CXO-043,046,049

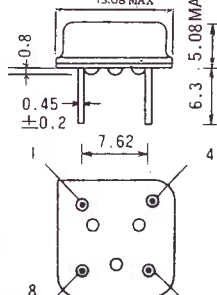
Fig. 16



1 : NC
(Z)3-STATE
7 : GND
8 : OUTPUT
14 : +DC

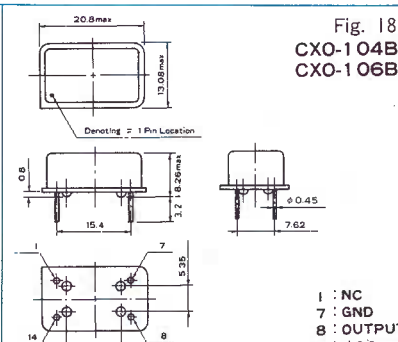
CXO-824,826,829

Fig. 17



1 : NC
(Z)3-STATE
4 : GND
5 : OUTPUT
8 : +DC

Fig. 18
CXO-104B
CXO-106B

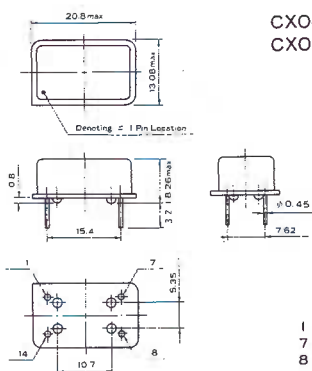


1 : NC
7 : GND
8 : OUTPUT
14 : +DC

Model			CXO-104B	CXO-105D	CXO-106B	CXO-109E	CXO-072
Frequency Range		MHz	8 ~ 40	32 ~ 66.66	40 ~ 100	0.5MHz~50	5 ~ 30
Standard Frequency		MHz	8	32		24	
			16	40		50	
			30				
Frequency Stability	VS. Temperature	$\times 10^{-6}$	± 50	± 100	± 50	± 100	± 5
	VS. Supply Voltage	$\times 10^{-6}$	± 0.5	± 5	± 5	± 5	± 0.5
	VS. Aging/Year	$\times 10^{-6}$	± 3.0	± 5	± 5	± 5	± 1
Temperature Range	Operating	℃	-10~60	-10~70	0 ~ 70	-10~70	0 ~ 60
Power Supply	Voltage	V	5 $\pm$ 0.25	5 $\pm$ 0.25	5 $\pm$ 0.25	5 $\pm$ 0.25	5 $\pm$ 0.25
	Current	mA MAX.	20	80	60	30	25
Output	Waveform		TTL	HCMOS	TTL	HCMOS	TTL
	Symmetry	%	30 ~ 70	40 ~ 60	40 ~ 60	40 ~ 60	40 ~ 60
	Rise/Fall Time	ns MAX.	15	5/8	5	10	5
	Output Load		TTL2	32 ~ 40MHz 150PF 40 ~ 66.6MHz 50PF	AS TTL10	CMOS	TTL2
Outline		mm	Fig 18	Fig 19	Fig 18	Fig 19	Fig 20

Fig. 19

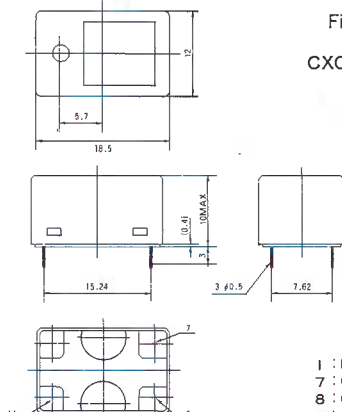
CXO-105D
CXO-109E



1 : 3-STATE
7 : GND
8 : OUTPUT
14 : +DC

Fig. 20

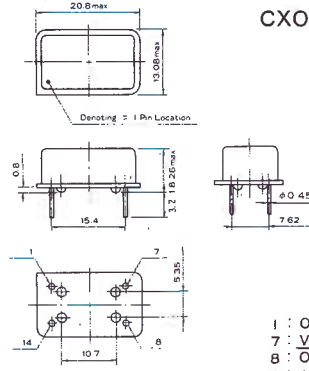
CXO-072



1 : NC
7 : GND
8 : OUTPUT
14 : +DC

Fig. 21

CXO-108



1 : OUTPUT
7 : VEE
8 : OUTPUT
14 : +VOLTAGE CASE