

CTS CORPORATION

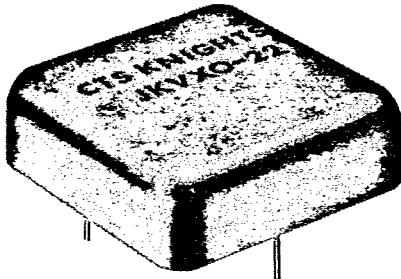
KNIGHTS DIVISION

SPECIALISTS IN FREQUENCY MANAGEMENT

400 Reimann Ave., Sandwich, IL 60548 • 815/786-8411 • TWX 910-642-0860 Cable CTS
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Precision Crystal Oscillators – TCXO/TCVCXO

JKVXO-22



FEATURES:

- Available as VCXO or TCVCXO.
- Temperature stability and deviation are customized per application. 5 volt supply, Mod voltage range 0 to +5 VDC.

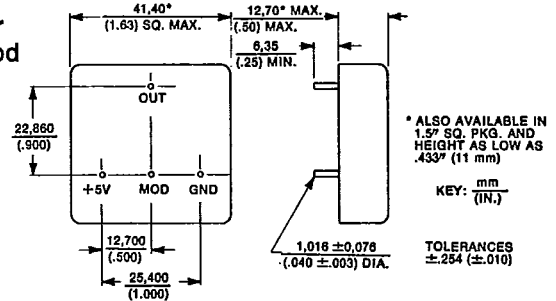
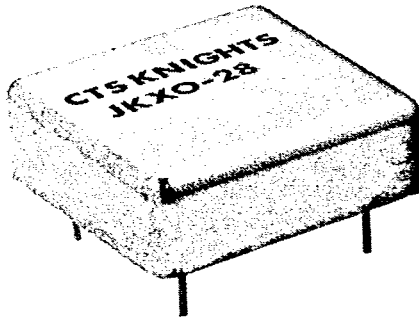


Fig. 24

JKXO-28 (TCXO)



FEATURES:

- Frequency range: 8 MHz to 20 MHz
- 5 VDC supply
- ±1 ppm, 0°C to +70°C
- TTL or HCMOS output
- <±3 ppm aging in 10 yrs.

The JKXO-28 is a low cost design providing excellent long term stability without need for re-calibration over a long life.

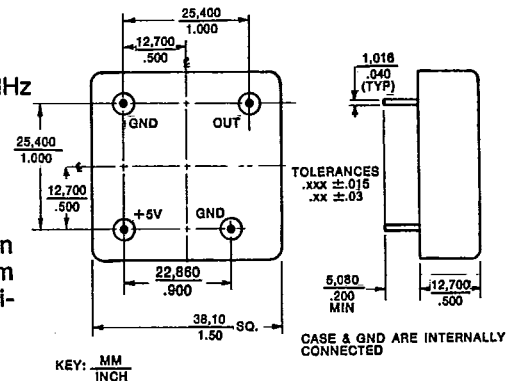


Fig. 25

FIG.	MODEL	*FREQUENCY RANGE	SUPPLY VOLTAGE OPTIONS (VDC)	STABILITY WITH TEMPERATURE	VCXO DEVIATION OPTIONS	MAX. AGING 1st YR.	OUTPUT OPTIONS
21	JKXO-12A	3-30 MHz	12-20	±2 ppm, -55 to +85°C	NONE	1 ppm	Sine Wave, TTL, HCMOS, CMOS (Below 10 MHz)
	JKXO-12B	3-30 MHz	12-20	±1 ppm, -40 to +75°C	NONE	1 ppm	
	JKXO-12C	3-50 MHz	12-20	±.5 ppm, 0 to +70°C	NONE	1 ppm	
22	JKXO-14A	3-30 MHz	12-28	±.5 ppm, 0 to +50°C	NONE	1 ppm	TTL or Sine
	JKXO-14B	3-30 MHz	12-28	±1 ppm, 0 to +70°C	NONE	1 ppm	
23	JKXO-16A	1 Hz to 30 MHz	12-28	±1 ppm, -40 to +75°C	NONE	1 ppm	Sine (Above 500 KHz) ECL, TTL, HCMOS CMOS (Below 10 MHz)
	JKXO-16B	1 Hz to 30 MHz	12-28	±1 ppm, -55 to +85°C	NONE	1 ppm	
	JKXO-16C	1 Hz to 30 MHz	12-28	±2 ppm, -40 to +75°C	NONE	1 ppm	
	JKXO-16D	30 to 100 MHz	15-28	±2 ppm, -20 to +70°C	NONE	1 ppm	
	JKXO-16E	1 KHz to 30 MHz	5	±2 ppm, -20 to +70°C	NONE	1 ppm	
25	JKXO-28	8-20 MHz	5	±1 ppm, 0 to +70°C	NONE	.75 ppm	TTL or HCMOS
21	JKVXO-12A	8-30 MHz	9-20	±10 ppm, 0 to +70°C	±100 ppm, ±5V Input	1 ppm	TTL
	JKVXO-12B	30 to 50 MHz	12-20	±5 ppm, 0 to +70°C	±15 ppm, ±3V Input	1 ppm	Sine Wave
	JKVXO-12C	8 to 35 MHz	12-20	±2 ppm, 0 to +70°C	±40 ppm, ±3V Input	1 ppm	Sine, TTL
23	JKVXO-16A	1 KHz to 30 MHz	5-20	±10 ppm, 0 to +70°C	±40 ppm, 0 to 5 VDC	1 ppm	TTL, ECL, HCMOS CMOS (Below 10 MHz) Sine (Above 500 KHz)
	JKVXO-16B	1 KHz to 30 MHz	9-20	±20 ppm, -20 to +70°C	±100 ppm, ±5V Input	1 ppm	
	JKVXO-16C	1 MHz to 30 MHz	5	±30 ppm, -55 to +85°C	±100 ppm, 0 to 5V Input	1 ppm	
	JKVXO-16D	30 MHz to 150 MHz	12-20	±5 ppm, 0 to +50°C	±15 ppm, ±5V Input	1 ppm	
24	JKVXO-22A	1 MHz to 30 MHz	5	±10 ppm, 0 to +50°C	±40 ppm, 0 to +5 VDC	2 ppm	TTL, CMOS
	JKVXO-22B	30 MHz to 50 MHz	5	±5 ppm, 0 to +50°C	±12 ppm, 0 to +5 VDC	1 ppm	TTL
	JKVXO-22C	1 MHz to 30 MHz	5	±15 ppm, -20 to +70°C	±100 ppm, 0 to +5 VDC	2 ppm	ECL (-5V Supply Req.)

* Consult factory for available standard frequencies.

CTS — QUALITY FREQUENCY CONTROL COMPONENTS FOR RELIABLE ELECTRONICS