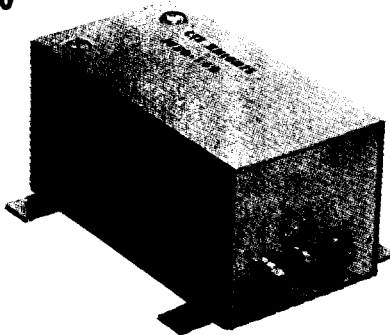


400 Reimann Ave., Sandwich, IL 60548 815-786-8411 FAX: 815-786-3600

OVENIZED CRYSTAL OSCILLATORS TELECOMMUNICATIONS - OVENIZED OSCILLATOR WITH STANDARD TELECOMMUNICATION FREQUENCIES

JKXO-140

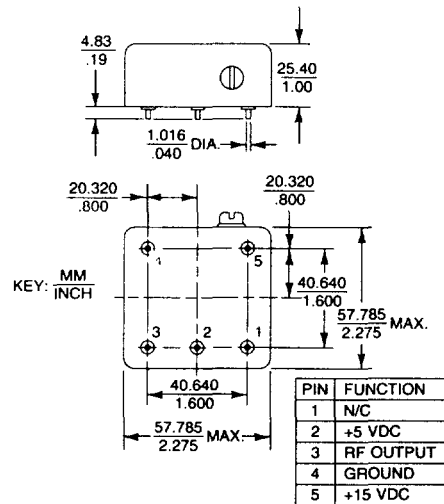
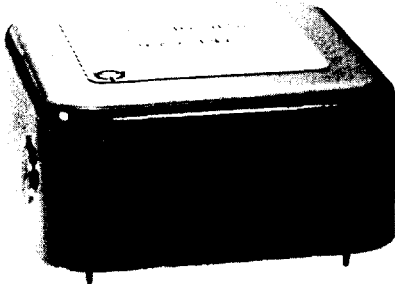


SPECIFICATIONS

CENTER FREQUENCIES (MHZ)	5.0, 5.12, 6.176, 10.0, 10.24, 12.352
INPUT VOLTAGE	+24 VDC
INPUT POWER	.8 Watts maximum @ turn-on 3.5 Watts stabilized @ +25°C
FREQUENCY STABILITY:	
vs. Temperature	$3 \times 10^{-10}/15^{\circ}\text{C}$ (0°C to +55°C)
vs. Time	$\pm 3 \times 10^{-10}/\text{day}$ after 30 days $\pm 2 \times 10^{-9}/\text{year}$ $\pm 5 \times 10^{-10}/20 \text{ years}$
OUTPUT	2 TTL loads
ELECTRICAL ADJUSTMENT	$\pm 5 \times 10^{-4}$ minimum for $\pm 5 \text{ VDC}$
SIZE	2.30" x 4.50" x 2.10" H. 58.42 x 114.3 x 53.34

OVENIZED CRYSTAL OSCILLATORS SMALL SIZE- LOW POWER CONSUMPTION OVENIZED OSCILLATOR

JKXO-141



FREQUENCY	5.0 MHz*		
OUTPUT LEVEL	TTL with fanout of 10 LSTTL loads		
FREQUENCY ADJUSTMENT	Sufficient for 20 Yrs. aging		
OPERATING TEMPERATURE RANGE	0°C to +60°C		
FREQUENCY STABILITY VS.	JKXO-141-1	JKXO-141-2	JKXO-141-3
TEMPERATURE	(0°C -60°C)		
	8×10^{-4}	3×10^{-4}	3×10^{-4}
	Any 15°C Change	6×10^{-9}	1.4×10^{-9}
AGING	Per Day	3×10^{-9}	5×10^{-9}
	Per Year	5×10^{-7}	1.5×10^{-7}
	Per 20 Years	3×10^{-4}	5×10^{-7}
SUPPLY VOLTAGE	$5 \times 10^{-4}/\%$	$5 \times 10^{-4}/\%$	$5 \times 10^{-4}/\%$
WARM UP	20 minutes	1×10^{-7}	1×10^{-7}
	8 Hours	—	1×10^{-7}
INPUT POWER	+5Vdc +5%		@ 50ma MAX
	+15Vdc +5%		@ 500ma MAX (Cold Start)
			@ 150ma Hot (35°C) Typ.
SIZE	2.25" X 2.25" X 1" H		
RELIABILITY	Better than 250,000 Hrs MTBF		
VIBRATION/SHOCK	2 G, 10-500 Hz/30 G, 11ms		

* Consult factory for other frequencies and options