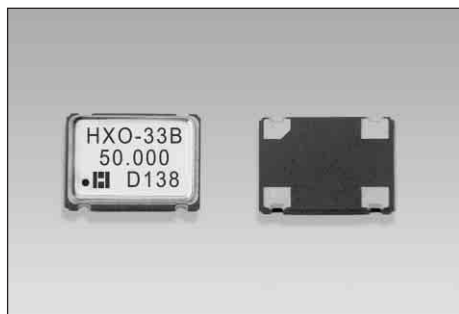




SURFACE MOUNT OSCILLATOR

• HXO-33 Series 7.0X5.0X1.5mm



The HXO-33 series is an ultra miniature package clock oscillator with size of 7.0X5.0X1.5mm. It is mainly used in portable PC and telecom munication devices and equipment.

FEATURES

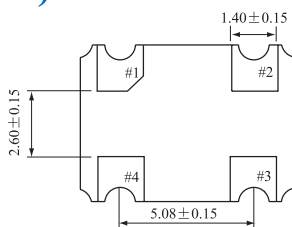
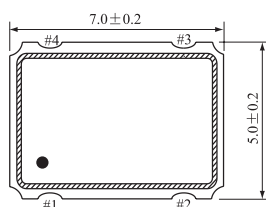
- Miniature Package
- Tri-State Enable/Disable
- TTL/HCMOS compatible
- Tape and Reel
- IR Re-flow
- 5.0V Input Voltage

Electrical Specifications

Parameter		Condition	HXO-33
Frequency Range	F ₀		1MHz~125.00MHz
Frequency Stability*		All Condition*	± 25ppm, ± 50ppm, ± 100ppm
Operating Temperature Range	T _{OPR}		0°C~70°C (-40°C~+85°C option)
Storage Temperature Range	T _{STG}		-55°C~+125°C
Power supply Voltage	V _{DD}		5.0V+/-10%
Aging(First Year)		25°C ± 3°C	± 5ppm
Supply Current	I _{DD}	1.000 to 23.999MHz	20mA Max
		24.000MHz to 49.999MHz	30mA Max
		50.000MHz to 69.999MHz	40mA Max
		70.000MHz to 125.000MHz	60mA Max
Output Symmetry	Sym	At 1/2V _{DD}	40/60%(45/55% Option)
Rise time	T _r	10%V _{DD} ~90%V _{DD}	5 nS Max
Fall Time	T _f	90%V _{DD} ~10%V _{DD}	5 nS Max
Output Voltage	V _{OH}		90% V _{DD} min
	V _{OL}		10% V _{DD} max
Output Load	TTL Load		1~10TTL
	HCMOS Load		30pF Max(15pF type)
Start-up Time		T _s	10mS Max
Pin 1,tri-state function			Pin 1=H or open....Output active at pin 3 Pin 1=L.....high impedance at pin 3

*Include: 25°C tolerance, operating temperature range, input voltage change, aging, load change, shock and vibration

Mechanical Dimensions(mm)



Pin	Connection
#1	Tri-State/NC
#2	GND
#3	Output
#4	+5V _{DC}

Recommended Solder Pattern

***Note: A 0.01uF bypass capacitor should be placed between V_{DD}(Pin4) and GND(Pin2) to Minimize power supply line noise

TAIWAN:

HOSONIC ELECTRONIC CO., LTD.
23-1 LANE 84. CHUN YING ST. SHULIN CHEN.
TAIPEI 23804. TAIWAN
WEB SITE:<http://www.hosonic.com.tw>

☎: 886-2-86875200
☎: 886-2-26816456
✉: david@hosonic.com.tw

CHINA:

HANGZHOU HOSONIC ELECTRONIC CO., LTD.
NO.122 LIANGBO ROAD. LIANGZHU TOWN.
YUHANG DISTRICT, HANGZHOU, ZHEJIANG, CHINA
WEB SITE:<http://www.hosonic.com.cn>

☎: (86)-571-88778189
☎: (86)-571-88778857
✉: market@hosonic.com.cn

Specifications are subject to change without notice