



• HO-43&46 Series



The HO-43 series oscillator is J-Lead Plastic Tri-state Enable/Disable controlled Clock oscillator. HO-46 series is with 3.3V power supply voltage. With J-Lead configuration and high resistance soldering temperature make it ideal for surface mount production.

FEATURES

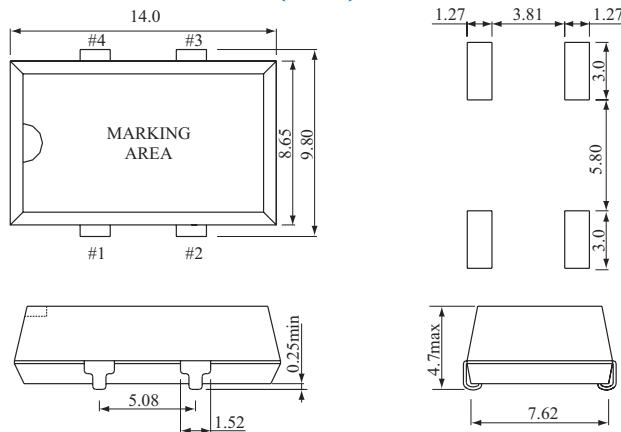
- J-Lead Plastic Surface Mount
- SG-615 compatible
- Wide Frequency Range
- Low Cost
- Tri-State Enable/Disable
- 3.3V available

Electrical Specifications

Parameter		Condition	HO-43	HO-46
Frequency Range	F _o		1MHz~66.667MHz	1MHz~66.667MHz
Frequency Stability*			± 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%	3.3V+/-10%
Aging(First Year)		25°C ± 3°C	± 5ppm	
Supply Current	I _{DD}	1.000MHz to 23.999MHz	20mA Max	15mA Max
		24.000MHz to 49.999MHz	30mA Max	20mA Max
		50.000MHz to 66.667MHz	40mA Max	30mA Max
Output Symmetry	Sym	At 1/2V _{DD}	40/60%(45/55% Option)	
Rise time	T _r	10%V _{DD} ~90%V _{DD}	8 nS Max	5 nS Max
Fall Time	T _f	90%V _{DD} ~10%V _{DD}	7 nS Max	5 nS Max
Output Voltage	V _{OH}		80% V _{DD} min	
	V _{OL}		20% V _{DD} max	
Output Load	TTL Load		1~10LSTTL	
	HCMOS Load		30pF Max	15pF Max
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	V _{DD}

Enable/Disable Function	
Input(Pin1)	Output(Pin3)
Open	Enable
V _{IH} ≥ 2.2V _{DC}	Enable
V _{IL} ≤ 0.8V _{DC}	Disable

***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, R.O.C.

☎ : 886-2-86875200
☎ : 886-2-26816456

WEB SITE:<http://www.hosonic.com.tw>

CHINA:

HANGZHOU HOSONIC ELECTRONIC CO., LTD.
XUNSHAN LIANGZHU TOWN MOGANSHAN ROAD
HANGZHOU, ZHEJIANG, CHINA

☎ : (86)-571-88778189
☎ : (86)-571-88778857

Specifications are subject to change without notice