

SMD OVEN CONTROLLED CRYSTAL OSCILLATOR

Features:	High stability vs. temperature up to $\pm 5E-9$	Frequency range: 10—40M
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OPTION GUIDE: OX22S-----58-----K-----12-----JT-----[HCMOS]-----13M

Temperature stability	Aging	Output	Supply Voltage
59: $\pm 5E-9$ 18: $\pm 2E-8$ 28: $\pm 2E-8$ 58: $\pm 5E-8$ 17: $\pm 1E-7$ 37: $\pm 3E-7$	K: $\pm 1E-6$ /year J: $\pm 5E-7$ /year I: $\pm 3E-7$ /year H: $\pm 2E-7$ /year G: $\pm 1E-7$ /year F: $\pm 5E-7$ /year	HCMOS	5: 5V $\pm 5\%$ 3.3: 3.3V $\pm 5\%$

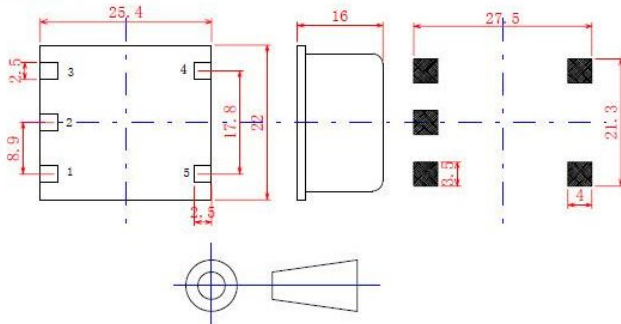
Temperature choice

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	W	X
-60	-55	-50	-45	-40	-30	-20	-10	0	+10	+25	+40	+45	+50	+55	+60	+65	+70	+75	+80	+85

SPECIFICATION

Output		HCMOS
Load		10k Ohms
Short term stability per 1 sec, typical		$< 2E-11$
Frequency stability vs. load changes		$< \pm 3E-9$
Frequency stability vs. power supply changes		$< \pm 3E-9$
Peak current during warm-up @ 25°C		< 800 mA
Warm-up time		< 3 min. within $\pm 1E-7$ @ 25 °C
Frequency pulling	Range	$> \pm 5E-7$
	With external voltage	0V to 4.5V (2.8V for 3.3V supply option)
	With external potentiometer	20k Ohms
Reference voltage		+4.5V (+2.8V)
Slope		Positive
Phase noise, typical for 10M		
1 Hz		-90 dBc/Hz
10 Hz		-120 dBc/Hz
100 Hz		-140 dBc/Hz
1k Hz		-145 dBc/Hz
10k Hz		-150 dBc/Hz
Storage temperature range		-55...+85°C

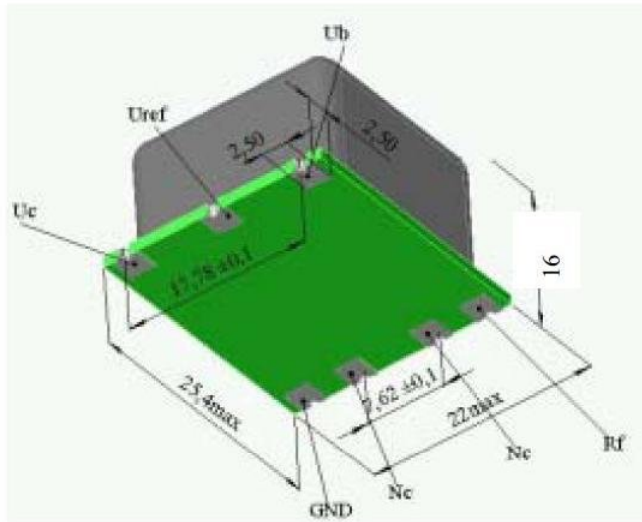
Package:



Pin configuration:

- Pin #1: NC
- Pin #2: NC or REF
- Pin #3: Supply Voltage
- Pin #4: Output
- Pin #5: GND

Picture:



Note:

Not all combinations are available, any requests, please consult factory