

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: +/-5E-9 18: +/-2E-8 28: +/-2E-8 58: +/-5E-8 17: +/-1E-7 37: +/-3E-7	K: +/-1E-6/year J: +/-5E-7/year I: +/-3E-7/year H: +/-2E-7/year G: +/-1E-7/year F: +/-5E-7/year	HCMOS	5: 5V+/-5% 3.3: 3.3V+/-5%

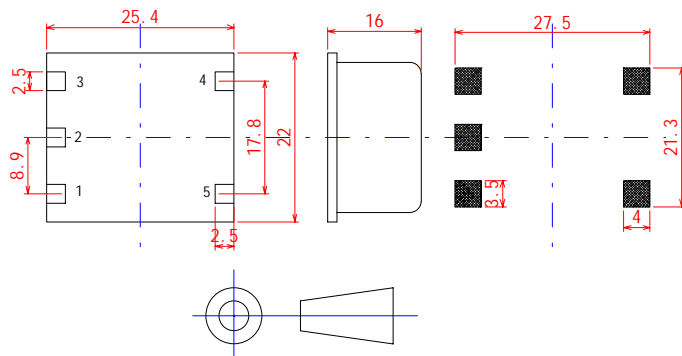
Temperature choice

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	< 3min. within +/-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	

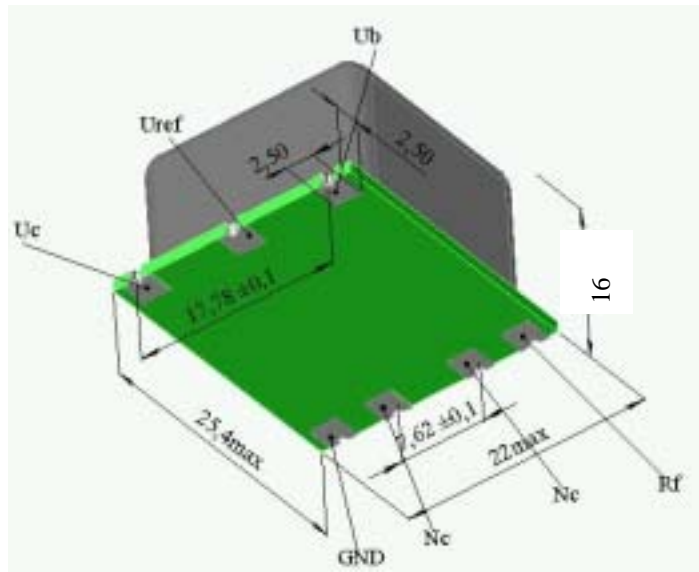
Package:



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