



Small Package
Good stability oven controlled crystal oscillator

OD01

Table1 Specifications

Parameter	OD01
Frequency Range	5~40MHz,
Standard Frequency	5, 10, 8.192, 12, 13, 16.384, 20, 26, 38.88MHz,
Frequency Stability	vs Operation Temp. Range $\pm 5 \times 10^{-8}$, ~ $\pm 1 \times 10^{-7}$, Options See Table 2
	vs Vcc Change $\pm 5\%$ $\pm 5 \times 10^{-9}$
	vs Load Change $\pm 10\%$ $\pm 5 \times 10^{-9}$
	vs Aging $\pm 5 \times 10^{-7}$ /year @25 after 30 days operation
Operation Temperature Range	Options See Table 2
Supply Voltage	5V, 9V, 12V (option code 5,9,12,15)
Current Consumption (@12Vcc)	2.5Wmax at Turn-on, 1.0Wmax after warm up at 25
Output	TTL/CMOS, Code is "T"
SSB Phase Noise (10MHz, typical)	-100dBc@10Hz
	-120dBc@100Hz
	-140dBc@1kHz
	-150dBc@10kHz
Warm-up Time@25 Typical	$\pm 1 \times 10^{-7}$ after 10 minutes
Frequency Adjustment (from 0V to Vref.)	$\pm 3 \times 10^{-6}$
Package	25A
Storage Temperature Range	-40~+85

Table2 Frequency Stability vs Operation Temperature Range(Ref to 25) and Option Code

	$\pm 5 \times 10^{-8}$	$\pm 1 \times 10^{-7}$	$\pm 2 \times 10^{-7}$	$\pm 5 \times 10^{-7}$
0~50	A5.8	A1.7	A2.7	A5.7
-10~55	L5.8	L1.7	L2.7	L5.7
-20~60	N5.8	N1.7	N2.7	N5.7

OCXOs

Part Numbering Key

SERIES	PACKAGE CODE	Supply Voltage	OUTPUT FORM	FREQ. STABILITY vs.TEMP	FREQUENCY
OS01	25A	5=5V 9=9V 12=12V	T=TTL/CMOS	See Table2	
OS01	25A	5	T	C12.7	20.000MHz

Sample Part Numbers

**OS01-25A-12T-C2.7
@20.000Mhz**