



FEATURES

- Wide Frequency Range
- 10 to 50PPB Stability
- Low Phase Noise
- Stratum 3 Compatible

APPLICATIONS

- Cellular Base Stations
- Telecommunications
- Test & Measurement
- Microwave & Satellite Links

GENERAL SPECIFICATION

Model Number		30 000	30 000	30 000	30 000
Series		SA50H25	SA12H25	SA50S25	SA12S25
Frequency Range		2 ~ 65 MHz	2 ~ 65 MHz	2 ~ 65 MHz	2 ~ 65 MHz
Temperature Range	Operating	0°C to + 70°C	0°C to + 70°C	0°C to + 70°C	0°C to + 70°C
	Storage	-55°C to +125°C	-55°C to +125°C	-55°C to +125°C	-55°C to +125°C
Input Voltage		5V DC	12V DC	5V DC	12V DC
Power Consumption	During Warm-Up	25°C	2.5W	2.5W	2.5W
	Steady State	0°C	< 1.2W	< 1.2W	< 1.2W
		25°C	< 0.9W	< 0.9W	< 0.9W
Frequency Stability	v Temperature		+/-50ppb	+/-50ppb	+/-50ppb
	v Short term Stab.	Per Day	1x10 ⁻¹⁰	1x10 ⁻¹⁰	1x10 ⁻¹⁰
	v Long Term Stab.		1ppb	1ppb	1ppb
Phase Noise	@	1 Hz	<- 80 dBc	<- 80 dBc	<- 80 dBc
	@	10 Hz	<-110 dBc	<-110 dBc	<-110 dBc
	@	100 Hz	<-135 dBc	<-135 dBc	<-135 dBc
	@	1 kHz	<-140 dBc	<-140 dBc	<-140 dBc
	@	10 kHz	<-145 dBc	<-145 dBc	<-145 dBc
Output	Type	Hcmos	Hcmos	Sine	Sine
	Load	15pF	15pF	> 0 dBm/50 Ohms	> 0 dBm/50 Ohms
Voltage Control	Voltage	0.5-4.5V	0.5-4.5V	0.5-4.5V	0.5-4.5V
	Impedence	200 kOhms	200 kOhms	200 kOhms	200 kOhms
	Transfer Slope	Positive	Positive	Positive	Positive
	Tuning Range	+/-2.5ppm	+/-2.5ppm	+/-2.5ppm	+/-2.5ppm

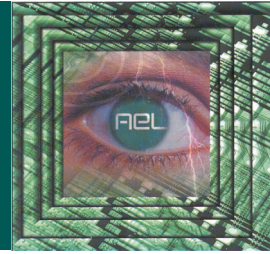
Other Options Available

Alternate Supply Voltages:	5V; 9V; 12V DC
Standard Frequencies	5MHz; 10MHz; 13MHz; 16.384MHz; 19.440 MHz; 20MHz 26 MHz - All usually available within 4 Weeks
Tape & Reel	SMD versions available 200pcs/Reel
Through Hole Packages	Industry standard through-hole packages also readily available



Specify AEL

X-ACT Package Options



Packages Available

Quartz Crystal Oscillators

Pin	Connection
1	VC Control Voltage
2	Vref
3	VCC Supply Voltage
4	Out
5	"0"-Level = Alarm
6	Ground
7	Ground

6&7 Should be common

H =	mm
Ver. 2522-2AA	11.2
Ver. 2522-2AB	10.0
Ver. 2522-3AA	14.0

Depending on Freq/Stab options

OCXO2522-2A
OCXO2522-3A (14mm)

Pin	Connection
1	VC Control Voltage
2	Vref
3	VCC Supply Voltage
4	Out
5	N.C
6	N.C
7	Ground

H =	mm
Ver. 2522-1BA	11.2
Ver. 2522-1BB	10.0
Ver. 2522-4AA	14.0

Depending on Freq/Stab options

OCXO2522-1B
OCXO2522-4A (14mm)

Pin	Connection
1	VC Control Voltage
2	Vref/N.C
3	VCC Supply Voltage
4	Out
5	Ground

H	mm
A	16.5
B	13.7
C	18.8

OCXO2636-1



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