



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	2.5W
	Steady State	0°C	< 1.2W	< 1.2W	< 1.2W	< 1.2W
		25°C	< 0.9W	< 0.9W	< 0.9W	< 0.9W
Frequency Stability	v	Temperature	+/-50ppb	+/-50ppb	+/-50ppb	+/-50ppb
	v	Short term Stab. Per Day	1x10 ⁻¹⁰	1x10 ⁻¹⁰	1x10 ⁻¹⁰	1x10 ⁻¹⁰
	v	Long Term Stab.	1ppb	1ppb	1ppb	1ppb
Phase Noise	@	1 Hz	<- 80 dBc	<- 80 dBc	<- 80 dBc	<- 80 dBc
	@	10 Hz	<-110 dBc	<-110 dBc	<-110 dBc	<-110 dBc
	@	100 Hz	<-135 dBc	<-135 dBc	<-135 dBc	<-135 dBc
	@	1 kHz	<-140 dBc	<-140 dBc	<-140 dBc	<-140 dBc
	@	10 kHz	<-145 dBc	<-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



Quartz Crystal Oscillators