



Frequency Control Products

NEW: SMD Spread Spectrum Oscillator JSS53



Ladies and Gentlemen,

In addition to our oscillator product range **Jauch** will launch new **downspread** versions of the **JSS53** Spread Spectrum Oscillator.

The **JSS53** is now available in center spread versions $\pm 0.5\%$; $\pm 1\%$ and $\pm 2\%$ and in downspread versions -1% , -2% and -4% .

Furthermore the available frequency range is now from 12.0 MHz up to **168.0 MHz** !

Spread spectrum oscillators are the first choice for systems that are particularly interference-sensitive. By a spreading of the output signal to a predefined frequency band, electro-magnetic interferences caused by the clock signal are reduced.

A special modulation scheme is used to spread the output frequency spectrum, which reduces the EMI emission and allows to reduce the provisions against electro-magnetical transmission.

The spread of the spectrum can be selected in steps $\pm 0.5\%$; $\pm 1\%$ or $\pm 2\%$ center spread or -1% , -2% or -4% downspread modulation. The average of the output frequency is quartz-stable.

With the **JSS53** **Jauch** is offering a spread spectrum oscillator which demonstrated it's advantages in many varied applications.

Typical areas of application are, for example, office automation devices, PC periphery, plasma displays and LCD monitors.

Key-Features of **JSS53** oscillator :

- ▶ reducing EMI
- ▶ possible savings due to unnecessary shielding provisions
- ▶ miniature package 5.0 x 3.2 x 1.05 mm
particularly suitable for miniaturized electronic devices with very limited space on printed circuit board
- ▶ available frequency range from 12.0 MHz up to 168.0 MHz

For more information, contact us to: bce@bce.it ; or browse into our website: www.bce.it

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