



## **NEW: SMD LVDS VCXO Oscillator JVD75A & JVD75B**

**Jauch** announces two new voltage controlled LVDS Quartz Oscillators in 7.0 x 5.0 mm standard SMD package.

### **NEW: SMD LVDS VCXO Oscillator JVD75A & JVD75B**



The JVD75A and JVD75B are voltage controlled LVDS Oscillators with a frequency stability down to  $\pm 25$ ppm, and are offered in a frequency range from 12.0 MHz to 700.0 MHz (800 MHz for JVD75B).

The JVD75A uses a quartz crystal in MESA technology and is particularly suitable for jitter sensitive applications.

The JVD75B is a cost effective solution which uses a standard AT-cut blank and a low jitter frequency multiplier.

The JVD75 series oscillators may typically be used for wired communication (Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET).

Another advantage of this both oscillators is the grounded metal lid which reduces the EMI radiation in critical applications.

#### **Key-Features of the JVD75A & JVD75B:**

- JVD75A uses quartz crystal in MESA technology
- JVD75B uses AT-cut blank and low jitter frequency multiplier
- high frequency stability:  $\pm 25$ ppm  $\sim$   $\pm 50$ ppm
- frequency range: 12.0 MHz  $\sim$  700.0 MHz for JVD75A  
12.0 MHz  $\sim$  800.0 MHz for JVD75B
- standard SMD package: 7.0 x 5.0 x 1.6 mm
- variable frequency clocking (VCXO)
- complimentary LVDS output, low EMI
- supply voltage: 3.3V
- operating temperature range:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$  /  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- typical applications: wired communication applications
- EMI shielding by grounded lid
- RoHS compliant

For more information, contact us to : [bce@bce.it](mailto:bce@bce.it)

Or browse into our website : [www.bce.it](http://www.bce.it)

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<b>B.C.E. S.r.l.</b> , Via Regina Pacis 54/c, I 41049 Sassuolo (MO), Italy		
Tel: (+39) 0536 811616	Fax: (+39) 0536 811500	E-mail: <a href="mailto:bce@bce.it">bce@bce.it</a>