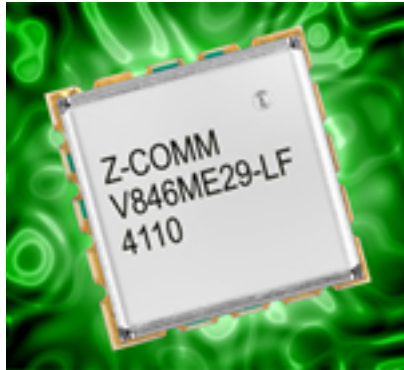


VCO: V846ME24-LF Features Linear Tuning

Published on Wireless Design & Development (<http://www.wirelessdesignmag.com>)

VCO: V846ME24-LF Features Linear Tuning



Z-Communications, Inc. announces a new RoHS compliant VCO (Voltage Controlled Oscillator) model V846ME24-LF in the S-band. The V846ME24-LF operates at 3100 to 3500 MHz with a tuning voltage range of 1 to 12 Vdc and provides better than 1.1:1 tuning linearity. This high performance VCO features a spectrally clean signal of -114 dBc/Hz @ 100 kHz offset and a typical tuning sensitivity of 62 MHz/V.

The V846ME24-LF is designed to deliver 3 dBm of output power into a 50 Ω load while operating off a 5 Vdc supply and drawing typically 22 mA of current. This low noise VCO operates over the extended commercial temperature range of -30 to 80 $^{\circ}$ C. The V846ME24-LF features typical second harmonic suppression of -20 dBc and comes in Z-Comm's standard, low profile MINI-14H-L package measuring 0.5 in. x 0.5 in. x 0.13 in. It is available in tape and reel packaging for production requirements making it ideal for automated surface mount assembly and reflow.

The V846ME24-LF is well suited for radio broadcast links and satellite communication applications that require low phase noise performance. Additional specifications for this product can be found on-line at: <http://www.zcomm.com>
[1]

October 1, 2012

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[1] http://r20.rs6.net/tn.jsp?e=001nDubpT0gQGba5dnPM1pFeXoXoqvXMPPrVF0m7ongod-_dnsvagdytd8qzhBF0-7TsrFI1FfLUvUxjWWqmdpYSjmasZR_2TtcUTVYYsXUhOBc

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