

VCXO Oscillators 16 - 36MHz Crystal Input, 4 - 18MHz LVCMOS Output VCXO

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-8
Product Type	Clock & Timer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PL500-16SC-R or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The PL500-15/16 is a low cost, high performance and low phase noise VCXO for the 1MHz to 18MHz range, providing less than -130dBc at 10kHz offset when using a 35.328MHz crystal. The very low jitter (2.5 ps RMS period jitter) makes this chip ideal for applications requiring voltage controlled frequency sources. Input crystal can range from 16MHz to 36MHz (fundamental resonant mode).

Features

VCXO with Divider Selection (DIVSEL) input pin

PL500-15: ÷8, ÷16

PL500-16: ÷2, ÷4

VCXO output for the 1MHz to 18MHz range

16MHz to 36MHz fundamental crystal input

Low phase noise (-130 dBc @ 10kHz offset using a 35.328MHz crystal)

LVCMOS output with OE tri-state control

Integrated high linearity variable capacitors

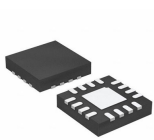
12mA drive capability at TTL output

Low jitter (RMS): 2.5ps period jitter

2.5V - 3.3V operation

Available in 8-Pin SOP, 6-pin SOT23 GREEN/ RoHS compliant packages, or Die

Related Products



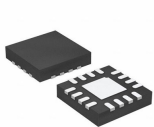
[PL130-09QI](#)

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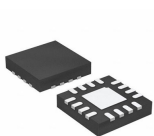
[PL135-47OC](#)

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TSSOP-16



[PL138-48OI-R](#)

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TSSOP-20



[PL135-67QC-R](#)

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[PL135-37SC-R](#)

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