STANDARD PRODUCTS
QUOTE / ORDER FORM

To order standard products listed on pages 6-44 of this catalog:
Please photocopy this page and fill out the information requested below. It is important to fill this out completely
so that **FREQUENCY MANAGEMENT INTERNATIONAL** can promptly respond to your request. Where possible, please
identify the **FREQUENCY MANAGEMENT INTERNATIONAL** part number as listed in this catalog.

FAX the information to: (714) 373-8700

As a U.S. based manufacturer, **FREQUENCY MANAGEMENT INTERNATIONAL** is fully capable of providing **"Custom"**
Products built to *your* specifications. For these requirements, please refer to the section herein entitled: "**How to Order**
Custom Products", pages 53-56.

Company: _____   _____Date:

Address: _____   Telephone: _____

_____   FAX: _____

_____

Contact: _____   RFQ / PO No.: _____

Quantity	Part Number/Description	Target Price	Target Delivery

FREQUENCY MANAGEMENT | INTERNATIONAL
15302 Bolsa Chica Street
Huntington Beach, CA 92649
ph (714) 373-8100 | fx (714) 373-8700

1-800-800-XTAL
[9825]
www.fmi-inc.com

CUSTOM CRYSTALS
QUOTE / ORDER FORM

To order custom crystals built to your specifications:

Please photocopy this page and fill out the information requested below. It is important to fill this out completely so that **FREQUENCY MANAGEMENT INTERNATIONAL** can promptly respond to your request. Not all combinations of parameters are feasible. Our technical staff will review each custom request and assist with any modifications necessary to meet your requirement.

FAX the information to: (714) 373-8700

Company: _____ **Date:** _____

Address: _____ **Telephone:** _____

_____ **FAX:** _____

Contact: _____**RFQ / PO No.:** _____

Quantity: _____ **Delivery:** _____

Package Type: _____

Nominal Frequency: _____ ❑ **MHz**   ❑ **kHz**

Crystal Cut: ❑ **AT (Std.)**   ❑ **BT**   ❑ **Other** _____

Mode of Operation: ❑ **Fundamental**   ❑ **5th Overtone**
❑ **3rd Overtone**   ❑ **Standard for type**

Load Capacitance (C_L): ❑ **Parallel** _____ **pF**   ❑ **Series resonance**

Frequency Tolerance: ±_____ **ppm @** _____**°C** ±_____**°C (25°C ±3°C Std)**

Temperature Stability: ±_____ **ppm from** _____**°C   to** _____**°C**

Storage Temperature: **from** _____**°C   to** _____**°C**

Aging Tolerance @ 25°C: ±_____ **ppm/year** _____ **years maximum**

Equiv. Series Resistance (ESR): _____ **Ohms**

Shunt Capacitance (C_0): _____ **pF**

Motional Capacitance (C_1): **from** _____ **fF   to** _____ **fF**

Drive Level: **typical** _____ **mW maximum** _____ **mW**

Pullability: _____

Other Requirements: _____

_____

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CUSTOM CLOCK OSCILLATORS
QUOTE / ORDER FORM

To order custom oscillators built to your specifications:
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parameters are feasible. Our technical staff will review each custom request and assist with any modifications necessary
to meet your requirement.

FAX the information to: (714) 373-8700

Company: _____ **Date:** _____

Address: _____ **Telephone:** _____

_____ **FAX:** _____

Contact: _____**RFQ / PO No.:** _____

Quantity: _____ **Delivery:** _____

Logic Type: ❏ **HCMOS/TTL Compatible**   ❏ **True TTL**
❏ **Other,** _____

❏ **Thru-Hole**

Package Type: _____   ❏ **SMD**
❏ **Either**

Nominal Frequency: _____ ❏ **MHz** ❏ **kHz**

Overall Frequency Tolerance: ❏ **±100 ppm max. (Std.)**   ❏ **±25 ppm max.**
(Inclusive of Operating Temperature,   ❏ **±50 ppm max.**   ❏ **Other _____ ppm max.**
Supply Voltage and Load Stability)

Operating Temperature Range: ❏ **0°C to +70°C (Std.)**   ❏ **-40°C to +85°C (Extended)**
❏ **Other, from _____ °C to _____ °C**

Storage Temperature: ❏ **Standard for type**
❏ **Other, from _____ °C to _____ °C**

Supply Voltage (V$_{dd}$):   ❏ **Standard for type**   ❏ **Other, _____ Vdc ±_____ Vdc**

Supply Current (I$_{cc}$):   ❏ **Standard for type**   ❏ **Other, _____ mA max.**

Symmetry (Duty Cycle):   ❏ **40/60% (Std.)**   ❏ **45/55%**   ❏ **Other, _____ %**

Output "0" Level (V$_{OL}$):   ❏ **Standard for type**   ❏ **Other, _____ Vdc max.**

Output "1" Level (V$_{OH}$):   ❏ **Standard for type**   ❏ **Other, _____ Vdc min.**

Rise/Fall Time: ❏ **Standard for type**   ❏ **Other, _____ nSec.**

Start Time: ❏ **Standard for type**   ❏ **Other, _____ mSec.**

Output Load: ❏ **Standard for type**   ❏ **CMOS ____ pF**   ❏ **TTL ____ gates**

Tri-State Function   ❏ **None (No connect)**   ❏ **Tri-State (Enabled/Disable)**

Other Requirements: _____

_____

CUSTOM VCXO's
QUOTE / ORDER FORM

To order custom voltage controlled crystal oscillators built to your specifications:
Please photocopy this page and fill out the information requested below. It is important to fill this out completely
so that **FREQUENCY MANAGEMENT INTERNATIONAL** can promptly respond to your request. Not all combinations of
parameters are feasible. Our technical staff will review each custom request and assist with any modifications necessary
to meet your requirement.

FAX the information to: (714) 373-8700

Company: _____   **Date:** _____

Address: _____   **Telephone:** _____

_____   **FAX:** _____

Contact: _____ **RFQ / PO No.:** _____

Quantity: _____   **Delivery:** _____

Logic Type: ❏ HCMOS/TTL Compatible   ❏ Other, _____

Package Type: _____

Nominal Frequency: _____ ❏ MHz ❏ kHz

Overall Frequency Tolerance: ❏ ±100 ppm max. (Std.)   ❏ ±25 ppm max.
(Inclusive of Operating Temperature,   ❏ ±50 ppm max.   ❏ Other _____ ppm max.
Supply Voltage and Load Stability)

Operating Temperature Range: ❏ 0°C to +70°C (Std.)   ❏ -40°C to +85°C (Extended)
❏ Other, from _____ °C to _____ °C

Storage Temperature: ❏ Standard for type
❏ Other, from _____ °C to _____ °C

Supply Voltage (V_{dd}): ❏ Standard for type   ❏ Other, _____ Vdc ±_____ Vdc

Supply Current (I_{cc}): ❏ Standard for type   ❏ Other, _____ mA max.

Symmetry (Duty Cycle): ❏ 40/60% (Std.)   ❏ 45/55%   ❏ Other, _____ %

Output "0" Level (V_{OL}): ❏ Standard for type   ❏ Other, _____ Vdc max.

Output "1" Level (V_{OH}): ❏ Standard for type   ❏ Other, _____ Vdc min.

Rise/Fall Time: ❏ Standard for type   ❏ Other, _____ nSec.

Start Time: ❏ Standard for type   ❏ Other, _____ mSec.

Output Load: ❏ Standard for type   ❏ CMOS ____ pF   ❏ TTL ____ gates

Control Voltage (V_c): _____ Vdc ±_____ Vdc

Pullability: Minimum deviation: ± _____ ppm
Maximum deviation: ± _____ ppm

Other Requirements: _____

CUSTOM TCXO/VCTCXO's
QUOTE / ORDER FORM

To order custom TCXO or VCTCXO type oscillators built to your specifications:
Please photocopy this page and fill out the information requested below. It is important to fill this out completely so that **FREQUENCY MANAGEMENT INTERNATIONAL** can promptly respond to your request. Not all combinations of parameters are feasible. Our technical staff will review each custom request and assist with any modifications necessary to meet your requirement.

FAX the information to: (714) 373-8700

Company: _____   Date: _____

Address: _____   Telephone: _____

_____   FAX: _____

Contact: _____ RFQ / PO No.: _____

Quantity: _____   Delivery: _____

Product Type:	❏ **TCXO** ❏ **VCTCXO**
Logic Type:	❏ **HCMOS/TTL Compatible** ❏ **Sinewave**
Package Type:	_____
Nominal Frequency:	_____ ❏ **MHz** ❏ **kHz**

Frequency Adjustment:
❏ **Mechanical (TCXO) ±_____ ppm minimum**
❏ **Electrical (VCTCXO) ±_____ ppm/Vdc**

Frequency Stability:	±_____ ppm maximum	
Temperature Stability:	❏ Standard for type	❏ Other, ±_____ ppm max.
Supply Voltage:	❏ Standard for type	❏ Other, ±_____ ppm max.
Load Stability:	❏ Standard for type	❏ Other, ±_____ ppm max.
Aging Stability (@ 25°C)	❏ Standard for type	❏ Other, ±_____ ppm max./year
Operating Temperature:	❏ 0°C to +50°C (Std.)	❏ Other, from _____ °C to _____ °C
Storage Temperature:	❏ Standard for type	❏ Other, from _____ °C to _____ °C
Supply Voltage (V$_{dd}$):	❏ Standard for type	❏ Other, _____ Vdc ±_____ Vdc
Supply Current (I$_{cc}$):	❏ Standard for type	❏ Other, _____ mA max.
Symmetry (Duty Cycle):	❏ 40/60% (Std.)	❏ 45/55% ❏ Other, _____ %
Output "0" Level (V$_{OL}$):	❏ Standard for type	❏ Other, _____ Vdc max.
Output "1" Level (V$_{OH}$):	❏ Standard for type	❏ Other, _____ Vdc min.
Rise/Fall Time:	❏ Standard for type	❏ Other, _____ nSec.
Start Time:	❏ Standard for type	❏ Other, _____ mSec.
Output Load:	❏ Standard for type	❏ CMOS ____ pF (TTL ____ gates
Phase Noise:	❏ Standard for type	❏ Other, _____
Other Requirements:	_____	
	_____	

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