



ISSUE 12; August 2012 - RoHS 2011/65/EU



Description

- Standard 7 x 5 crystal oscillators
Ceramic package with a seam sealed metal lid, hermetically sealed
Stock parts available
Fast Make capability: CFPP-72 series programmable oscillators are the nearest equivalent fast make model
MEMS capability: IQMS-500 series oscillators are the nearest equivalent MEMS model

Frequency Range

- Frequency 0.5 to 100.0 MHz

Supply Voltage

- Voltage 5.0V ±10%

Ageing

- Ageing ±3ppm per year max

Output Compatibility & Load

- Output Compatibility HCMOS/TTL

Maximum Capacitive Load	
0.5MHz to 50MHz	50pF max
>50MHz to 80MHz	30pF max
>80MHz to 160MHz	15pF max

Frequency Stabilities

- Frequency Stability ±25ppm, ±50ppm, ±100ppm
(inclusive of supply voltage and output load variations over the operating temperature range)

Operating Temperature Ranges

- 0 to 70°C
- 40 to 85°C

Output Control

- Standby Operation
Logic '1' (>70% VS) to pad 1 enables oscillator output
Logic '0' (<30% VS) to pad 1 disables oscillator output; the oscillator output goes to the high impedance state
No connection to pad 1 enables oscillator output
Standby Current: 10µA max

Environmental Parameters

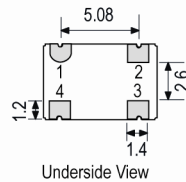
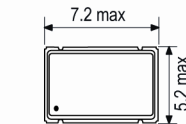
- Shock: MIL-STD-202, Method 213, Condition E
- Vibration: MIL-STD-883, Method 2007, Condition A
- Storage Temperature Range: -55 to 125°C

Packing Details

- Pack Style: **Bulk** Loose in bulk pack
Pack Size 100
- Pack Style: **Reel** Tape and reel in accordance with EIA-481-D
Pack Size 1,000
- Alternative packing options available

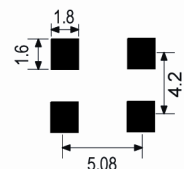


Outline (mm)

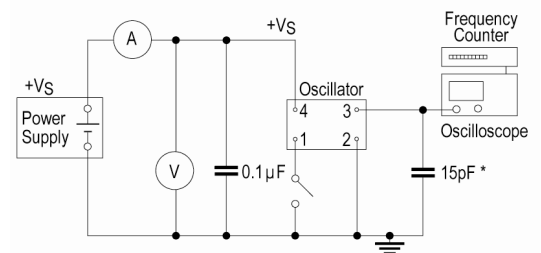


- Pad Connections
- Standby Operation
 - GND
 - Output
 - +VS

Solder Pad Layout



Test Circuit



* Inclusive of jiggging and equipment capacitance

Sales Office Contact Details:

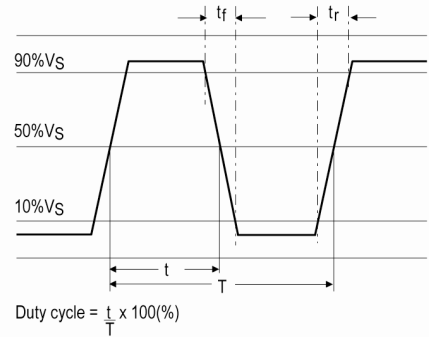
UK: +44 (0)1460 270200
Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18
USA: +1 (0) 650 798 5047

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com



Wave Form



Electrical Specification - maximum limiting values 5.0V ±10%

Frequency Range	Temp Range	Stability Inclusive		Current Draw	Rise & Fall (10 to 90%)	Duty Cycle %
		Min	Max			
0.5 to 20.0MHz	0 to 70°C	±25ppm	±100ppm	20.0mA	10ns	45/55
	-40 to 85°C	±25ppm	±100ppm	20.0mA	10ns	45/55
20.000001 to 35.0MHz	0 to 70°C	±25ppm	±100ppm	30.0mA	6ns	45/55
	-40 to 85°C	±25ppm	±100ppm	30.0mA	6ns	45/55
35.000001 to 70.0MHz	0 to 70°C	±25ppm	±100ppm	50.0mA	6ns	45/55
	-40 to 85°C	±25ppm	±100ppm	50.0mA	6ns	45/55
70.000001 to 100.0MHz	0 to 70°C	±25ppm	±100ppm	70.0mA	6ns	45/55
	-40 to 85°C	±25ppm	±100ppm	70.0mA	6ns	45/55

This document was correct at the time of printing; please contact your local sales office for the latest version

Sales Office Contact Details:

UK: +44 (0)1460 270200
Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18
USA: +1 (0) 650 798 5047

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [iqd manufacturer](#):

Other Similar products are found below :

[LFX TAL071761CUTT](#) [LFMCXO063767BULK](#) [LFMCXO063773BULK](#) [LFOCXO063802BULK](#) [LFOCXO063809BULK](#)
[LFTCXO063709BULK](#) [LFTCXO063710BULK](#) [LFTCXO063779BULK](#) [LFTCXO070028Cutt](#) [LFTVXO063701BULK](#)
[LFTVXO063702BULK](#) [LFTVXO063703BULK](#) [LFTVXO063707BULK](#) [LFTVXO063791BULK](#) [LFX TAL003156](#) [LFMCXO063766BULK](#)
[LFMCXO063771BULK](#) [LFOCXO063816BULK](#) [LFTCXO063713BULK](#) [LFTCXO063714BULK](#) [LFTCXO063716BULK](#)
[LFTVXO063704BULK](#) [LFTVXO063705BULK](#) [LFTVXO063706BULK](#) [LFTVXO063789BULK](#) [LFTVXO063790BULK](#) [LFX TAL003113](#)
[LFOCXO063809](#) [LFSPXO009581](#) [LFTCXO063784](#) [LFTVXO063786](#) [LFSPXO009686Bulk](#) [LFRBXO059244Bulk](#) [LFTVXO075802Cutt](#)
[LFOCXO067293Bulk](#) [LFTCXO075792Cutt](#) [LFMCXO064079BULK](#) [LFSPXO071189](#) [LFOCXO067293](#) [LFX TAL012312BULK](#)
[LFTCXO063780BULK](#) [LFSPXO056269CUTT](#) [LFOCXO063803BULK](#) [LFSPXO009592CUTT](#) [LFOCXO065520Bulk](#) [LFMISC070550Bulk](#)
[LFSPXO025494Cutt](#) [LFMCXO064080BULK](#) [LFOCXO063804BULK](#) [LFSPXO019884BULK](#)