

Since 1957



# Company profile

[www.matel-piezo.fr](http://www.matel-piezo.fr)

**Résonateurs - Oscillators - Quartz Filters**

MATEL - Centre d'affaires Le Beau  
1 rue Anita Conti - 56000 VANNES -  
Tél. +33 (0)2 97 60 98 34

# Profile

Matel is a French company which was established in 1957. It specializes in the manufacturing of crystals and quartz oscillators.

MATEL has been an innovative leader with a wide range of products destined for many sectors such as the medical, telecommunications, railroad, etc...

After 65 years of experience, MATEL continues to serve its customers both in France and internationally.



# Our work ethic



Teamwork



Diligence



Quality focus



On-time delivery



Customer  
satisfaction

# Our know how

1. A complete range of piézo products

2. Made to measure products for each customer

3. Technical expertise

4. Strict quality control

5. Fast and reliable delivery

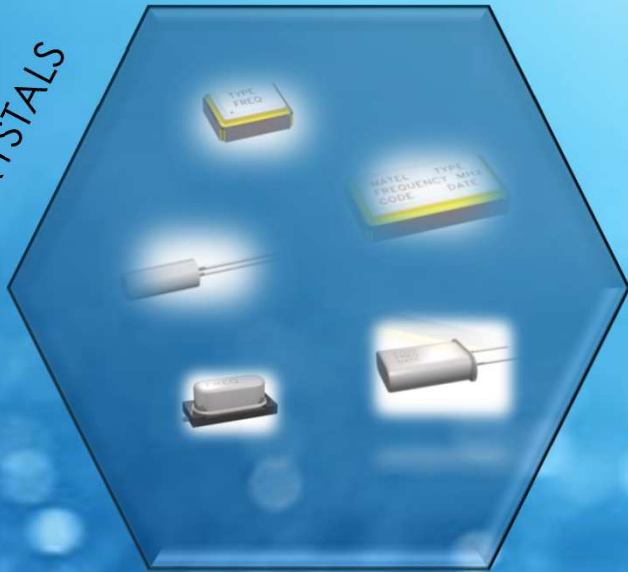
6. Efficient customer relations  
(rapid reply to demand)

7. Present worldwide

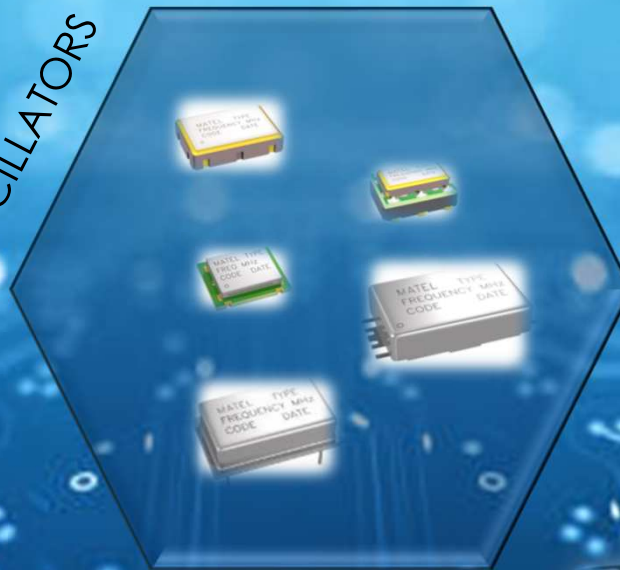
8. Production certified ISO

# Products

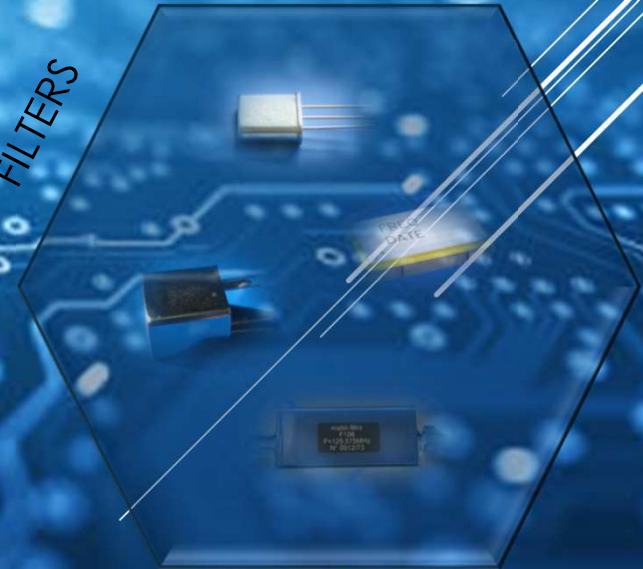
CRYSTALS



OSCILLATORS



FILTERS



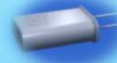
quartz

# Crystal Resonator

## SMD



## Through hole



## Military



7.0 x 5.0 x 1.3 (H)

6 – 200 MHz

6.0 x 3.5 x 1.1 (H)

8 – 120 MHz

5.0 x 3.2 x 1.0 (H)

8 – 200 MHz

4.2 x 2.5 x 0.8 (H)

10 – 60 MHz

3.2 x 2.5 x 0.6 (H)

8 – 200 MHz

2.5 x 2.0 x 0.6 (H)

12 – 60 MHz

2.0 x 1.6 x 0.5 (H)

20 – 60 MHz

1.6 x 1.2 x 0.3 (H)

24 – 50 MHz

HC49/U

1 – 200 MHz

UM1  
UM5

10 – 125 MHz

HC49/S

3.2 – 70 MHz

TC26  
TC38

32.768 MHz

HC35

4 – 210 MHz

HC48/U

6 – 200 MHz

HC51/U

6 – 200 MHz

QB xxx  
QA xxx  
QR xxx

0.900 – 130 MHz

Our crystal range

# Crystal Oscillator



## SMD

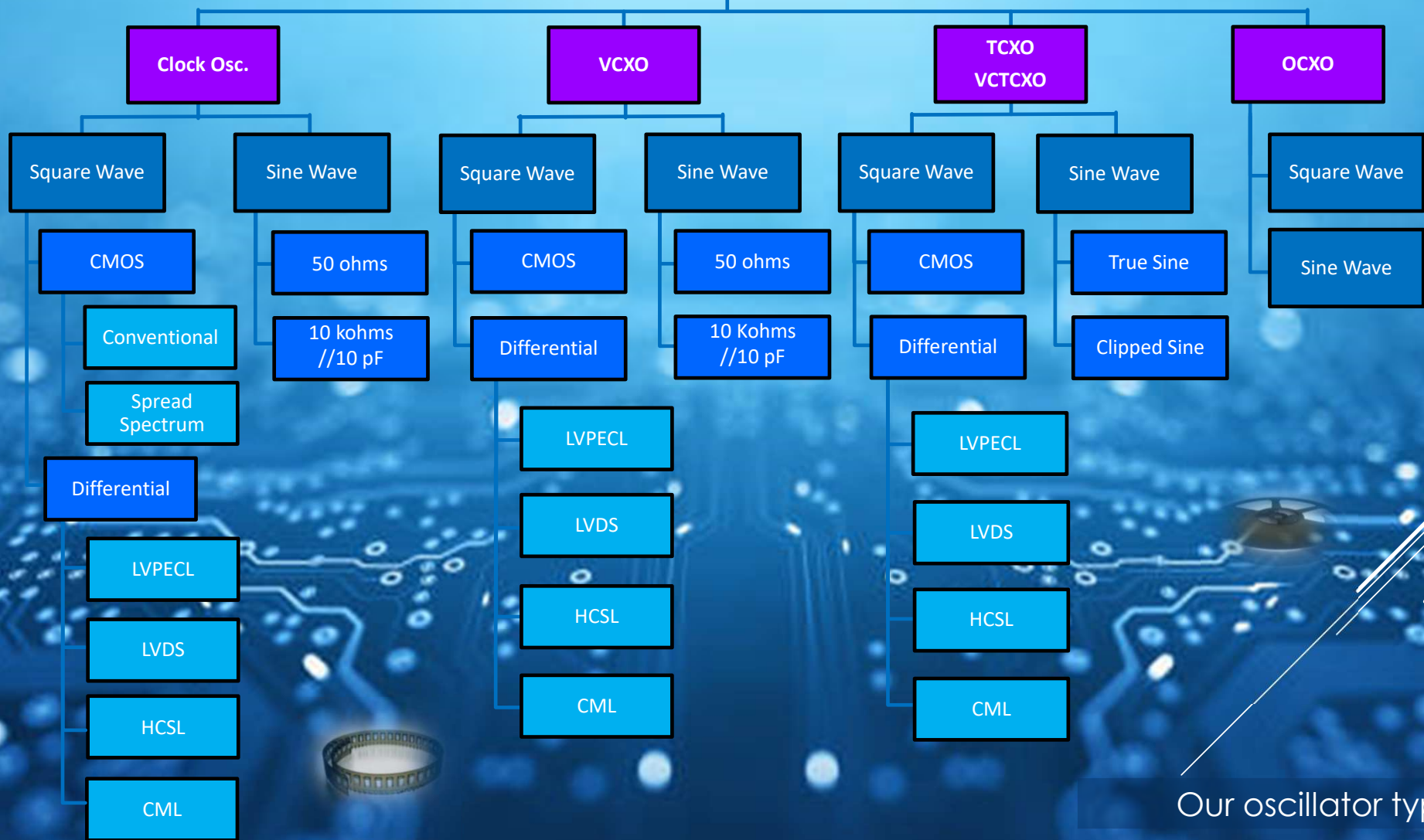
## Through hole

14.3 x 9.3 x 6.5 (H)	10 – 40 MHz
9.7 x 7.5 x 4.1 (H)	10 – 40 MHz
7.0 x 5.0 x 1.4 (H)	0,3 – 160 MHz
5.0 x 3.2 x 1.2 (H)	0.3 – 160 MHz
3.2 x 2.5 x 1.0 (H)	0.3 – 160 MHz
2.5 x 2.0 x 1.0 (H)	0.3 – 160 MHz
2.1 x 1.3 x 1.1 (H)	32,768 MHz
2.0 x 1.6 x 0.6 (H)	4 – 50 MHz

DIL8	0.3 – 160 MHz
DIL14	0,3 – 160 MHz
11.4 x 9.6 x 2.5 (H)	1 – 52 MHz
25.4 x 22.1 x 11.0 (H)	1 – 100 MHz
36.3 x 27.2 x 12.7 (H)	5 – 100 MHz

Our oscillator range

# Crystal Oscillator Type



Our oscillator types



# Filters

## SMD

7.0 x 5.0 x 1.3

21.400 –  
50.850 MHz



## Through hole

UM1  
UM5

21.100 MHz  
45.000 MHz

HC49

10.700 MHz



## Antenna Filters

F075  
F104  
F076

40 – 90 MHz

F077  
F106  
F078

90 – 140 MHz

F079  
F105  
F080

140 – 170 MHz



Our filter range

# Product uses



TELECOMMUNICATION



AERONAUTICS



TRANSPORT



MEDICAL



MILITARY



MEASURING EQUIPMENT



SPACIAL



INDUSTRIAL

# Our subcontractors

Our subcontractors are situated throughout the world and are certified ISO. This allows us to offer our customers a large range of top quality products.

Customers specific need → The product → Quality manufacturer

4 factories in Europe  
5 factories in Asia



# Contact

**Delphine PAULIN**  
Sales Services  
Phone 33 2.97.60.98.34  
[d.paulin@matel-piezo.fr](mailto:d.paulin@matel-piezo.fr)

**Quality control**  
[qualite@matel-piezo.fr](mailto:qualite@matel-piezo.fr)

MATEL  
Centre d'affaires  
Laroiseau  
1 rue Anita Conti  
56000 VANNES - FRANCE  
Phone 33 2.97.60.98.34

SIRET 582 002 192 000 75  
APE 4652Z  
Capital 582 000 Euro

[www.matel-piezo.fr](http://www.matel-piezo.fr)

Since 1957