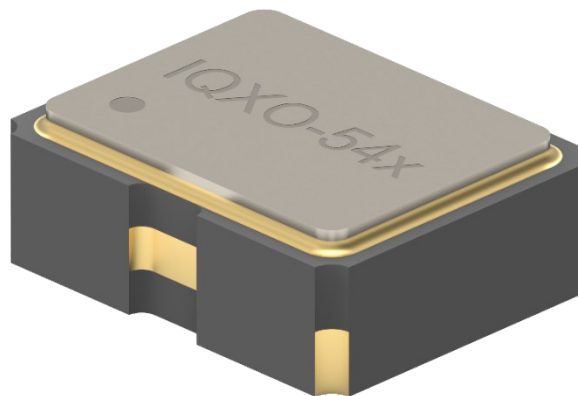


## Miniature oscillator suits multiple applications

**IQXO-540**

**IQXO-541**

**IQXO-542**



### Key Features

- Miniature package of 2.0 x 1.6 x 0.7 mm
- Suitable for multiple applications
- Available in supply voltages of 1.8 V, 2.5 V & 3.3 V

## Miniature oscillator suits multiple applications

The IQXO-54x is available in three supply voltages: 1.8 V, 2.5 V & 3.3 V. Housed in a miniature package of 2.0 x 1.6 x 0.7 mm, the IQXO-54x is a standard CMOS oscillator suitable for many different applications. The IQXO-54x is available either direct from IQD or via its extensive range of worldwide partners with many frequencies available ex stock.

### Specification

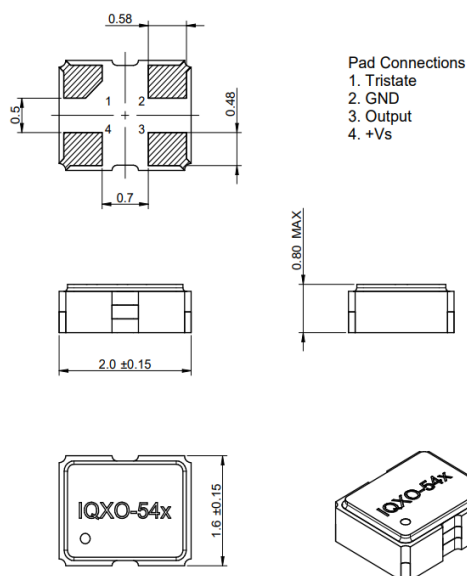
- Package sizes (SMD):  
2.0 x 1.6 mm
- Frequency range: 1 to 80 MHz
- $\pm 30$  ppm over  $-20$  to  $70$  °C  
 $\pm 50$  ppm over  $-40$  to  $85$  °C
- 1.8 V, 2.5 V & 3.3 V supply voltage
- CMOS output

### Applications:

Ideal for but not limited to:

- Audio & Multimedia Devices
- Communication Devices
- IoT
- Industrial Devices
- Navigation & Locators
- Real Time Clocks
- Test & Measurement Equipment

### Outline (mm)



## Stock parts available:

| Model    | IQD Part No. | WE Part No.      | Package Size       | Output | Frequency   | Stability | Operating Temp. Range | Voltage |
|----------|--------------|------------------|--------------------|--------|-------------|-----------|-----------------------|---------|
| IQXO-542 | LFSPX0082164 | LFSPX0082164RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 4.0 MHz     | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0082146 | LFSPX0082146RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 4.0 MHz     | ±25 ppm   | -20 to 70°C           | 3.3 V   |
| IQXO-542 | LFSPX0082166 | LFSPX0082166RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 8.0 MHz     | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0054046 | -                | 2.0 x 1.6 x 0.7 mm | CMOS   | 10.0 MHz    | ±50 ppm   | -40 to 85°C           | 3.3 V   |
| IQXO-542 | LFSPX0082168 | LFSPX0082168RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 12.2880 MHz | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0082149 | LFSPX0082149RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 12.2880 MHz | ±25 ppm   | -20 to 70°C           | 3.3 V   |
| IQXO-540 | LFSPX0066629 | -                | 2.0 x 1.6 x 0.7 mm | CMOS   | 16.0 MHz    | ±50 ppm   | -40 to 85°C           | 3.3 V   |
| IQXO-542 | LFSPX0056188 | -                | 2.0 x 1.6 x 0.7 mm | CMOS   | 19.20 MHz   | ±50 ppm   | -40 to 85°C           | 1.8 V   |
| IQXO-540 | LFSPX0082150 | LFSPX0082150RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 19.20 MHz   | ±25 ppm   | -20 to 70°C           | 3.3 V   |
| IQXO-542 | LFSPX0056215 | LFSPX0056215RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 20.0 MHz    | ±50 ppm   | -40 to 85°C           | 1.8 V   |
| IQXO-542 | LFSPX0082171 | -                | 2.0 x 1.6 x 0.7 mm | CMOS   | 24.0 MHz    | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0082151 | LFSPX0082151RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 24.0 MHz    | ±25 ppm   | -20 to 70°C           | 3.3 V   |
| IQXO-542 | LFSPX0082174 | LFSPX0082174RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 24.576 MHz  | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0082152 | LFSPX0082152RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 24.576 MHz  | ±25 ppm   | -20 to 70°C           | 3.3 V   |
| IQXO-542 | LFSPX0082176 | LFSPX0082176RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 26.0 MHz    | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0082153 | LFSPX0082153RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 26.0 MHz    | ±25 ppm   | -20 to 70°C           | 3.3 V   |
| IQXO-542 | LFSPX0082178 | LFSPX0082178RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 27.0 MHz    | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0082154 | LFSPX0082154RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 27.0 MHz    | ±25 ppm   | -20 to 70°C           | 3.3 V   |
| IQXO-542 | LFSPX0082179 | LFSPX0082179RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 30.0 MHz    | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0082155 | LFSPX0082155RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 30.0 MHz    | ±25 ppm   | -20 to 70°C           | 3.3 V   |
| IQXO-540 | LFSPX0068248 | -                | 2.0 x 1.6 x 0.7 mm | CMOS   | 32.0 MHz    | ±50 ppm   | -40 to 85°C           | 3.3 V   |
| IQXO-542 | LFSPX0082181 | -                | 2.0 x 1.6 x 0.7 mm | CMOS   | 32.7680 MHz | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0068250 | -                | 2.0 x 1.6 x 0.7 mm | CMOS   | 38.40 MHz   | ±50 ppm   | -40 to 85°C           | 3.3 V   |
| IQXO-540 | LFSPX0056247 | -                | 2.0 x 1.6 x 0.7 mm | CMOS   | 40.0 MHz    | ±50 ppm   | -40 to 85°C           | 3.3 V   |
| IQXO-542 | LFSPX0082182 | LFSPX0082182RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 50.0 MHz    | ±25 ppm   | -20 to 70°C           | 1.8 V   |
| IQXO-540 | LFSPX0082158 | LFSPX0082158RL3K | 2.0 x 1.6 x 0.7 mm | CMOS   | 50.0 MHz    | ±25 ppm   | -20 to 70°C           | 3.3 V   |

For other specifications, please contact IQD.