



查询"Q30.0-JXS53-12-30"供应商



actual size

# SMD Quartz Crystal · JXS53

4 Pad Version · 5.0 x 3.2 mm

- ± 10 ppm type available
- EMI shielding possible by grounded lid
- reflow soldering temperature: 260 °C max.
- ceramic / metal package



## General Data

| type                         | JXS53                                         |
|------------------------------|-----------------------------------------------|
| frequency range              | 10.0 ~ 55.0 MHz (fund. - AT-cut)              |
| frequency tolerance at 25 °C | ± 10 ppm / ± 30 ppm                           |
| load capacitance $C_L$       | 12 pF standard (option 8 pF ~ 32 pF / series) |
| shunt capacitance $C_0$      | < 7 pF                                        |
| storage temperature          | -40 °C ~ +90 °C                               |
| drive level max.             | 100 µW                                        |
| aging                        | < ± 3 ppm first year                          |

## ESR (series resistance Rs)

| frequency in MHz | vibration mode | ESR max. in $\Omega$ | ESR typ. in $\Omega$ |
|------------------|----------------|----------------------|----------------------|
| 10.0 ~ 10.999    | fund. - AT     | 50                   | 30                   |
| 11.0 ~ 11.999    | fund. - AT     | 40                   | 25                   |
| 12.0 ~ 21.999    | fund. - AT     | 40                   | 20                   |
| 22.0 ~ 24.999    | fund. - AT     | 40                   | 15                   |
| 25.0 ~ 49.999    | fund. - AT     | 30                   | 15                   |
| 50.0 ~ 55.000    | fund. - AT     | 40                   | 20                   |

## Frequency Stability vs. Temperature

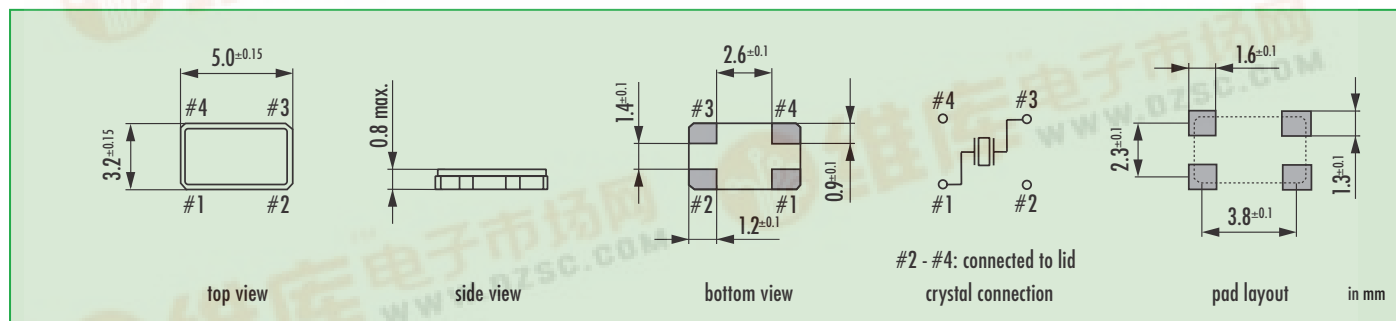
|                 |      | ± 10 ppm | ± 15 ppm | ± 20 ppm | ± 30 ppm | ± 50 ppm | 100 ppm |
|-----------------|------|----------|----------|----------|----------|----------|---------|
| -20 °C ~ +70 °C | STD. | ○        | ○        | ○        | ●        | ○        | ○       |
| -40 °C ~ +85 °C | T1   |          | ○        | ○        | ○        | ○        | ●       |

● standard  
 ○ available

## Marking

|                                          |       |                   |      |      |      |
|------------------------------------------|-------|-------------------|------|------|------|
| frequency with load capacitance code     |       |                   |      |      |      |
| company code / date code / internal code |       |                   |      |      |      |
| date code:                               |       | year/month        |      |      |      |
| example:                                 |       | 6A = 2006 January |      |      |      |
| Jan.                                     | Febr. | Mar.              | Apr. | May  | June |
| A                                        | B     | C                 | D    | E    | F    |
| July                                     | Aug.  | Sept.             | Oct. | Nov. | Dec. |
| G                                        | H     | J                 | K    | L    | M    |

## Dimensions



## Order Information

| Q      | frequency       | type  | load capacitance                               | stability at 25 °C             | stability vs. temp. range | option                                                                                       |
|--------|-----------------|-------|------------------------------------------------|--------------------------------|---------------------------|----------------------------------------------------------------------------------------------|
| Quartz | 10.0 ~ 55.0 MHz | JXS53 | 12 pF standard<br>8 pF ~ 30 pF<br>S for series | 10 = ± 10 ppm<br>30 = ± 30 ppm | see table                 | blank = -20 °C ~ +70 °C<br>T1 = -40 °C ~ +85 °C<br>FU = for fundamental frequencies ≥ 20 MHz |

Example: Q 30.0-JXS53-12-30/30-FU (Suffix LF = RoHS compliant / Pb free pins or pads)

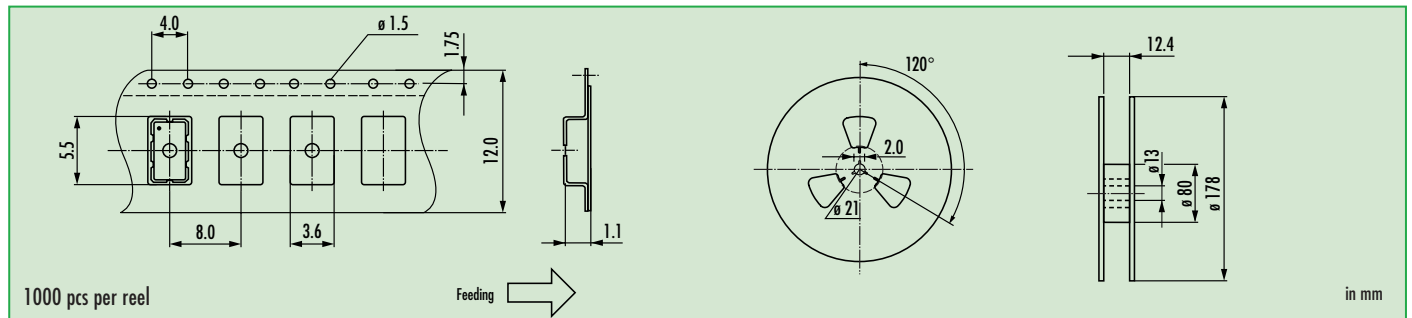


Jauch Quartz GmbH • e-mail: info@jauch.de  
 full data can be found under: www.jauch.de / www.jauch.fr / www.jauchusa.com  
 All specifications are subject to change without notice

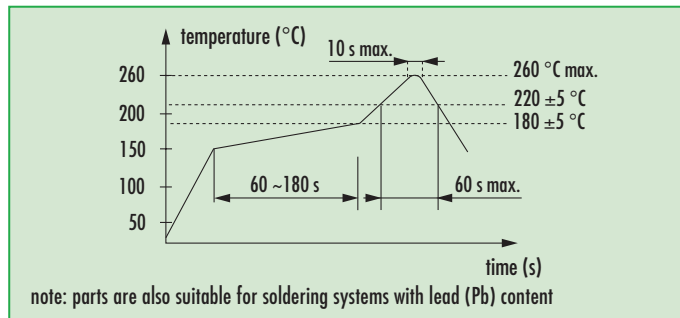
# SMD Quartz Crystal · JXS53

[查询"Q50.0-JXS53-12-50"供应商](#)

## Taping Specification



## Reflow Soldering Profile



## Load Capacitance Codes

|          |          |          |           |
|----------|----------|----------|-----------|
| 8 pF: k  | 14 pF: x | 22 pF: g | series: s |
| 9 pF: n  | 15 pF: j | 24 pF: d | T: 3rd OT |
| 10 pF: h | 16 pF: b | 25 pF: r |           |
| 11 pF: l | 17 pF: t | 27 pF: w |           |
| 12 pF: a | 18 pF: f | 30 pF: . |           |
| 13 pF: v | 20 pF: c |          |           |

example 20.0 MHz / 12 pF: 20a00

**This datasheet has been downloaded from:**

**[www.EEworld.com.cn](http://www.EEworld.com.cn)**

**Free Download**

**Daily Updated Database**

**100% Free Datasheet Search Site**

**100% Free IC Replacement Search Site**

**Convenient Electronic Dictionary**

**Fast Search System**

**[www.EEworld.com.cn](http://www.EEworld.com.cn)**