

EDCON-COMPONENTS



Features

Frequency Range 32,768KHz
 Tuning Fork crystal with ceramic package type High Density SMD type.
 Light weight with small and thin packaging
 High-stability assured with tight vacuum sealing

Applications

Most appropriate for portable devices, automotive applications
 and mobile telecommunications devices.

Specifications

| | | | |
|---------------------------|--|---------------------------|-----------------------------|
| Frequency Range: | | 32,768KHz | |
| Load capacitance | | 12,5pf | |
| Drive Level | | 1,0μW Max. | |
| Frequency Tolerance | | ./-20ppm | at 25°C Need to specify |
| Series Resistance: | | 70K Ω MAX. | at 25°C Depend on frequency |
| Turnover Temperature: | | 25 +/-5°C | |
| Temperature Coefficient: | | (-0,034 +/-0,006) ppm/°C | |
| Operating Temperature | | . -40°C ~ +85°C | |
| Storage Temperature Range | | . -55°C ~ +125°C | |
| Shunt Capacitance: | | 1,05pf Typ. | |
| Aging (First Year) | | ./- 3ppm Max. | at 25°C +/-3°C |
| Quality Factor | | 53000 Typ. | |
| Level of Drive | | 1,0μW Max. | |

**SMD Quarz Crystal
 4,9x1,9mm 2PAD**

Part No.: **O12031**

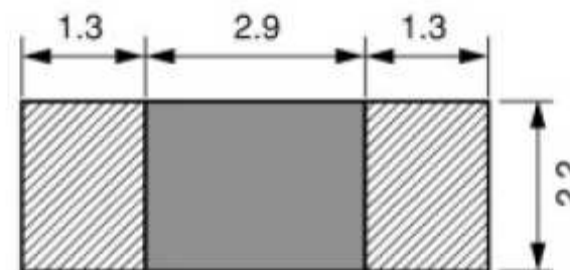
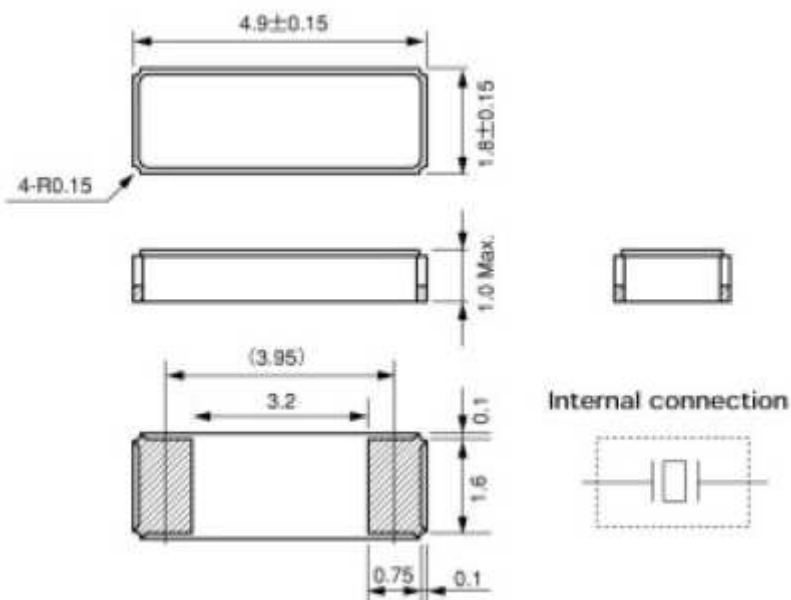
| | | | | | | | | | | |
|-------|--------|------|------|--------|----------|-----------|-----------|----------|------------|-----------|
| DRW: | Jose | CHKD | John | MATL: | Victoria | TOLERANCE | Mu Tao | DATE | 10.07.2009 | Customer: |
| APPD: | Victor | | | FINISH | Oliver | | Sheet No. | 1 from 4 | | |

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Technical Dimensions Dimensions (mm)

P.C.B. Layout



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| | | | | | | | | | |
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| APPD: | Victor | | | FINISH | Oliver | | Sheet No. | 2 from 4 | Customer: |

www.edcon-components.com

email: info@edcon-components.com

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Ordering Informations

| Serie | Frequency Range | Frequency Tolerance | Load Capacitance | Temperature Range | ROHS | Packing | | | | |
|---------------|------------------|---------------------|------------------|-------------------|----------|--------------|--|--|--|--|
| O12031 | 32K768000 | C | 1 | A | R | TR102 | | | | |

| | | | | | |
|---------------------------------|--------------------|----------------|------------------------|------------------------|----------------------------------|
| 10 Letters (empty fill w. 0) | C= +/-20ppm | 1= 12pf | A= -0°C ~ +50°C | R= ROHS Conform | TR102= Tape /Reel 1000PCS |
| | D= +/-10ppm | | | | |
| | | | | | |
| | | | | | |

| | |
|---|---------------|
| SMD Quarz Crystal 4,9x1,9mm 2PAD | |
| Part No.: | O12031 |
| Customer: | |

| | | | | | | | | | |
|-------|--------|------|------|--------|----------|-----------|-----------|----------|------------|
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Soldering Profile

Classification Reflow Profile (JEDEC J-STD-020C)



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Part No.: **O12031**

| | | | | | | | | | | |
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| DRW: | Jose | CHKD | John | MATL: | Victoria | TOLERANCE | Mu Tao | DATE | 10.07.2009 | Customer: |
| APPD: | Victor | | | FINISH | Oliver | | Sheet No. | 4 from 4 | | |