

### Features

- 5032 size miniature and lightweight SMD crystal units with low profile of 1.2mm
- Frequency range from 8MHz to 64MHz
- 2 pads SMD glass crystal units
- Excellent heat resistance, high precision
- Applications: PDA, GPS, Smart factory, AV Equipment, PC, Server, etc.

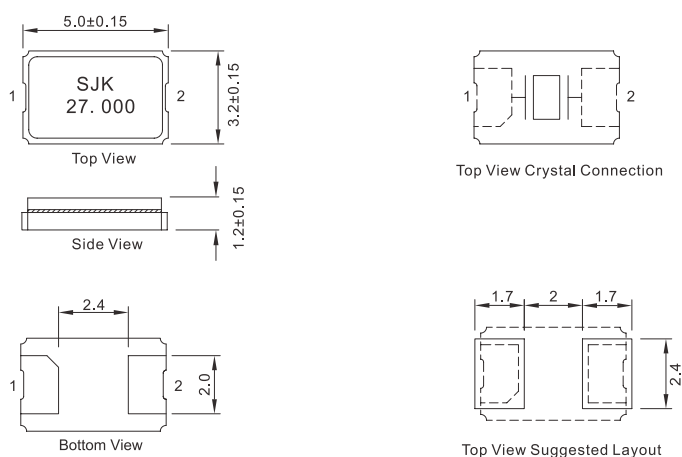
### Specifications

|                                            |                                |
|--------------------------------------------|--------------------------------|
| Frequency Range                            | : 8 to 64 MHz                  |
| Frequency Tolerance (at 25°C)              | : ±10ppm, ±20ppm               |
| Frequency Stability (over Operating Temp.) | : ±10ppm, ±20ppm               |
| Operating Temperature Range                | : -20 to +70°C, -40 to +85°C   |
| Shunt Capacitance (Co)                     | : 5pF Max.                     |
| Drive Level                                | : 1~200μW Max. (100μW Typ.)    |
| Load Capacitance                           | : 10pF, 16pF, 20pF, or specify |
| Aging (at 25°C)                            | : ±3ppm / year Max.            |
| Storage Temperature Range                  | : -55°C to +125°C              |
| Packing Unit                               | : 1000pcs./Reel                |

### Equivalent Series Resistance

|              |           |
|--------------|-----------|
| 8 to 10 MHz  | 150Ω Max. |
| 10 to 12 MHz | 100Ω Max. |
| 12 to 40 MHz | 50Ω Max.  |
| 40 to 64 MHz | 100Ω Max. |

### Dimensions



Dimensions : Millimetres

Part Number Table

| Description                                                    | Part Number                     |
|----------------------------------------------------------------|---------------------------------|
| Crystal, 5032, 8MHz, 12pF, 20ppm, -40~+85°C, 5mm × 3.2mm       | MPSJK-6I2-8.00-12-20-80-C-30    |
| Crystal, 5032, 8MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm       | MPSJK-6I2-8.00-18-20-80-C-30    |
| Crystal, 5032, 10MHz, 12pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-10.00-12-20-80-C-30   |
| Crystal, 5032, 10MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-10.00-18-20-80-C-30   |
| Crystal, 5032, 11.0592MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm | MPSJK-6I2-11.0592-18-20-80-C-30 |
| Crystal, 5032, 12MHz, 12pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-12.00-12-20-80-C-30   |
| Crystal, 5032, 12MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-12.00-18-20-80-C-30   |
| Crystal, 5032, 12.288MHz, 18pF, 20ppm, -20~+70°C, 5mm × 3.2mm  | MPSJK-6I2-12.288-18-30-80-B-30  |
| Crystal, 5032, 13.56MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm   | MPSJK-6I2-13.56-18-20-80-C-30   |
| Crystal, 5032, 14.7456MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm | MPSJK-6I2-14.7456-18-20-80-C-30 |
| Crystal, 5032, 16MHz, 12pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-16.00-12-20-80-C-30   |
| Crystal, 5032, 16MHz, 18pF, 20ppm, -20~+70°C, 5mm × 3.2mm      | MPSJK-6I2-16.00-18-20-80-B-30   |
| Crystal, 5032, 16MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-16.00-18-20-80-C-30   |
| Crystal, 5032, 18.432MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm  | MPSJK-6I2-18.432-18-20-80-C-30  |
| Crystal, 5032, 20MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-20.00-18-20-80-C-30   |
| Crystal, 5032, 24MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-24.00-18-20-80-C-30   |
| Crystal, 5032, 25MHz, 18pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-25.00-18-20-80-C-30   |
| Crystal, 5032, 25MHz, 12pF, 20ppm, -40~+85°C, 5mm × 3.2mm      | MPSJK-6I2-25.00-12-20-80-C-30   |
| Crystal, 5032, 30MHz, 18pF, 20ppm, -20~+70°C, 5mm × 3.2mm      | MPSJK-6I2-30.00-18-20-80-B-30   |

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.