

## LCR Meter

# KPS-SMD520



Electronics



Industry



- SMD component tester
- 6000 counts
- Resistance, capacity and inductance measurements
- Selection of the test voltage between 0.5 Vrms and 0.1 Vrms
- Retention of readings
- Auto scale, auto power off and low battery indication

# KPS-SMD520

## Smart LCR Meter

### General

|                |                       |
|----------------|-----------------------|
| Product Size   | 186mm x 35mm x 23.6mm |
| Product Weight | 90g                   |
| Power Supply   | 1x3V CR2450 Battery   |
| Certificate    | CE/ETL/RoHS           |

### Specs

|                         |      |
|-------------------------|------|
| Display Counts          | 6000 |
| Auto And Manual Ranging | ✓    |
| Auto Power Off          | ✓    |
| Data Hold               | ✓    |
| Low Battery Display     | ✓    |
| Auto Scanning           | ✓    |

| Specs      | Test Voltage | Range               | Resolution                    | Accuracy             |
|------------|--------------|---------------------|-------------------------------|----------------------|
| Resistance | 0.5 V<br>RMS | 60Ω                 | 0.01Ω                         | ± (2.0% + 10 digits) |
|            |              | 600Ω/6KΩ/60kΩ/600kΩ | 0.1Ω/0.001kΩ/0.01kΩ<br>/0.1kΩ | ± (1.0% + 5 digits)  |
|            |              | 6MΩ/20MΩ            | 0.001MΩ/0.01MΩ                | ± (2.0% + 5 digits)  |
|            | 0.1 V<br>RMS | 60Ω                 | 0.01Ω                         | ± (2.0% + 10 digits) |
|            |              | 600Ω/6KΩ/60kΩ/600kΩ | 0.1Ω/0.001kΩ/0.01kΩ<br>/0.1kΩ | ± (1.5% + 5 digits)  |
|            |              | 6MΩ/20MΩ            | 0.001MΩ/0.01MΩ                | ± (3.0% + 5 digits)  |

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| Specs       | Test Voltage | Range              | Resolution                  | Accuracy             |
|-------------|--------------|--------------------|-----------------------------|----------------------|
| Capacitance | 0.5 V<br>RMS | 600 pF             | 0.1pF                       | ± (2.0% + 8 digits)  |
|             |              | 6nF/60nF/600nF     | 0.001nF/0.01nF/0.1nF        | ± (1.0% + 5 digits)  |
|             |              | 6μF/60μF           | 0.001μF/0.01μF              | ± (2.0% + 5 digits)  |
|             |              | 600μF              | 0.1μF                       | ± (2.0% + 10 digits) |
|             |              | 6mF                | 0.001mF                     | ± (2.0% + 5 digits)  |
|             | 0.1 V<br>RMS | 600 pF             | 0.1pF                       | ± (2.0% + 5 digits)  |
|             |              | 6nF/60nF/600nF/6μF | 0.001nF/0.01nF/0.1nF/0.01μF | ± (1.5% + 5 digits)  |
|             |              | 60μF/600μF/6mF     | 0.01μF/0.1μF/0.001mF        | ± (3.0% + 5 digits)  |
| Inductance  | 0.5 V<br>RMS | 600μH/6mH          | 0.1μH/1μH                   | ± (2.0% + 5 digits)  |
|             |              | 60mH/600mH/6H/60H  | 0.01mH/0.1mH/0.001H/0.01H   | ± (1.0% + 5 digits)  |
|             |              | 200H               | 0.1H                        | ± (2.0% + 5 digits)  |
|             | 0.1 V<br>RMS | 600μH/6mH          | 0.1μH/1μH                   | ± (3.0% + 5 digits)  |
|             |              | 60mH/600mH/6H      | 0.01mH/0.1mH/0.001H         | ± (1.5% + 5 digits)  |
|             |              | 60H                | 0.01H                       | ± (1.0% + 5 digits)  |
|             |              | 200H               | 0.1H                        | ± (2.0% + 5 digits)  |

### Product Code Information

|                   |                |
|-------------------|----------------|
| SKU               | KPSSMD520CBINT |
| EAN code          | 8435394747415  |
| UPC code          | 810053670446   |
| Pcs/export carton | 80             |