# Low Value Chip

July 2021

Ohmite's LVC Series low value chip resistors are ideal for today's current sense applications requiring low profile, low cost solutions. Available in 0.5, 0.75, and 1 watt sizes, footprints are 1206, 2010, and 2512 size respectively. These resistors are offered in ohmic ranges from 0.10 to 4.7 ohms in standard 1% and 2% in E12 values depending on value.

The LVC Series resistors are well suited for a variety of industrial and commercial applications.

**UVii**
**Ui**
**UiiVii**
**Ui**
**U**

**Ui**
**Uiii**
Migration
7/iii,i
is from -40°C to +125°C
iivV
i

| Series | Power Rating | Max. Current | Resistance Range* | TCR ppm/°C |
|---|---|---|---|---|
| LVC06 | 0.5W | 32A | 10m-15m | 500 |
| | | | 18m-27m | 350 |
| | | | 33m-47m | 200 |
| | | | 50m- 4.7 | 100 |
| LVC20 | 0.75W | 40A | 10m-15m | 500 |
| | | | 18m-27m | 350 |
| | | | 33m-47m | 200 |
| | | | 50m- 4.7 | 100 |
| LVC25 | 1.0W | 45A | 10m-15m | 500 |
| | | | 18m-27m | 350 |
| | | | 33m-47m | 200 |
| | | | 50m- 4.7 | 100 |

* E-12 values and 20, 25, 50

| Resistance Tolerance | |
|---|---|
| 10mΩ ~ 22mΩ | 2% |
| 27mΩ ~ 4.7Ω | 1% |

| | |
|---|---|
| Substrate | |
| Resistor | |
| Electrode | |
| Coating | |
| Max. Working Volts | |
| Derating | |
| Operating temp. range | |
| Soldering | |

| | | |
|---|---|---|
| Moisture resistance | | |
| Temperature Cycle | | |
| Short Time Overload | | |
| Endurance | | |
| Resistance to Solder Heat | | |
| Terminal strength | | |
| Solderability | | |
| Max. Overload Current | | |