

MOX-MPCI-0402

Surface Mount Multilayer Chip Inductors

MoxiE's MOX-MPCI-0402 series of surface mount molded chip inductors are widely used in cable modems, notebooks, LCD televisions and digital cameras.

Features:

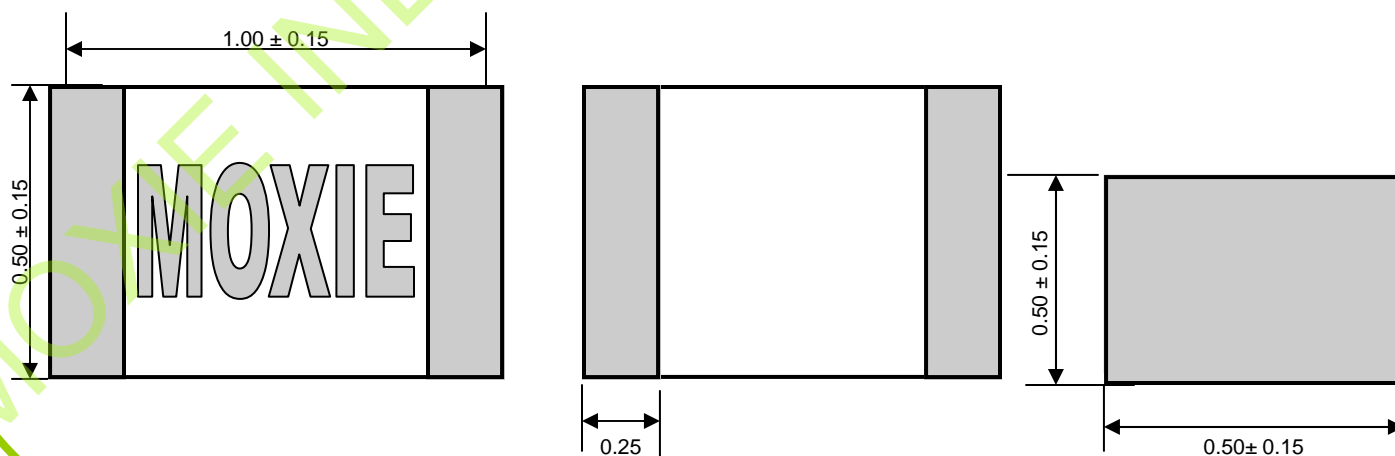
- Multilayer ferrite construction.
- Operating temperature: -40°C to +85°C.
- Excellent solderability & resistance to soldering heat.
- RoHS compliant.
- JIS/EIA dimensions, high reliability & easy surface mount assembly.



NOTES



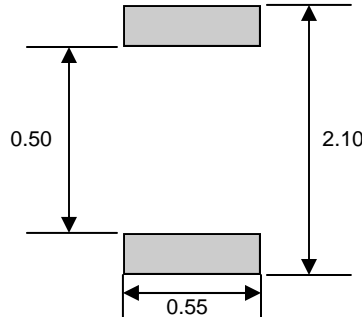
MECHANICAL DIMENSIONS



MOX-MPCI-0402



LANDING PATTERN



ELECTRICAL SPECIFICATIONS

| MoxiE Part Number | Impedance (Ω) \pm 25% | Test Frequency | DC Resistance (Ω) Max.) | Rated Current (mA Max.) |
|-------------------|----------------------------------|----------------|----------------------------------|-------------------------|
| MOX-MPCI-0402-060 | <6 | 100 MHz | 0.05 | 500 |
| MOX-MPCI-0402-100 | 10 | 100 MHz | 0.05 | 500 |
| MOX-MPCI-0402-150 | 15 | 100 MHz | 0.05 | 500 |
| MOX-MPCI-0402-220 | 22 | 100 MHz | 0.10 | 320 |
| MOX-MPCI-0402-300 | 30 | 100 MHz | 0.20 | 320 |
| MOX-MPCI-0402-330 | 33 | 100 MHz | 0.30 | 300 |
| MOX-MPCI-0402-470 | 47 | 100 MHz | 0.30 | 220 |
| MOX-MPCI-0402-600 | 60 | 100 MHz | 0.35 | 200 |
| MOX-MPCI-0402-800 | 80 | 100 MHz | 0.45 | 200 |
| MOX-MPCI-0402-101 | 100 | 100 MHz | 0.50 | 200 |
| MOX-MPCI-0402-151 | 150 | 100 MHz | 0.65 | 200 |
| MOX-MPCI-0402-221 | 220 | 100 MHz | 0.75 | 200 |
| MOX-MPCI-0402-301 | 300 | 100 MHz | 0.80 | 200 |
| MOX-MPCI-0402-331 | 330 | 100 MHz | 0.85 | 150 |
| MOX-MPCI-0402-471 | 470 | 100 MHz | 1.10 | 100 |
| MOX-MPCI-0402-601 | 600 | 100 MHz | 1.20 | 50 |
| MOX-MPCI-0402-801 | 800 | 100 MHz | 1.60 | 50 |
| MOX-MPCI-0402-102 | 1000 | 100 MHz | 1.65 | 50 |



MOX-MPCI ENGINEERING NOTES

- Measuring Frequency (L) 100 kHz
- Q is measured on a HP-4287A RF LCR meter with a HP-16193 fixture attached.
- Packaging: Tape & reel (10,000 pcs per reel)
- MoxiE Inductor Corporation specifications are subject to change without notice.