

# MOX-MOX-LCMC-1717



## LEADED COMMON MODE CHOKES

### Features:

- Low cost.
- RoHS compliant.
- Operating temperature  $-40^{\circ}$  to  $+105^{\circ}\text{C}$ .
- Excellent attenuation characteristics at low frequencies.
- Compact size with large inductance.
- Employs UL-recognized heat resistant insulation material.
- Excellent design to prevent noise emissions.
- MoxiE custom inductance values and tolerances available.



## NOTES

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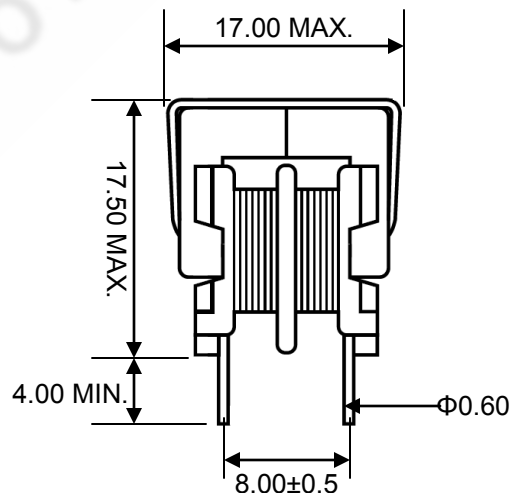
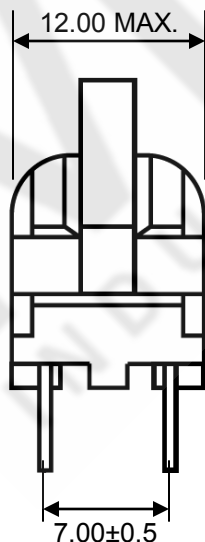
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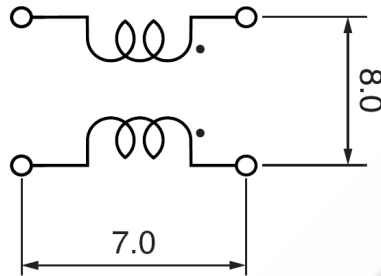


## MECHANICAL DIMENSIONS





## SCHEMATICS



## ELECTRICAL SPECIFICATIONS

| MoxiE Part Number | Rated current (A) | Inductance (mH)<br>Minimum | DC resistance ( $\Omega$ /line)<br>Maximum | Temperature Rise (K)<br>Maximum |
|-------------------|-------------------|----------------------------|--|---------------------------------|
| MOX-LCMC-1717-R50 | 1.00              | 0.50                       | 0.3  | 40                              |
| MOX-LCMC-1717-R80 | 1.00              | 0.80                       | 0.3  | 40                              |
| MOX-LCMC-1717-1R0 | 0.70              | 1.00                       | 0.6  | 40                              |
| MOX-LCMC-1717-1R7 | 0.70              | 1.70                       | 0.6  | 40                              |
| MOX-LCMC-1717-2R0 | 0.50              | 2.00                       | 1.00                                       | 40                              |
| MOX-LCMC-1717-3R4 | 0.50              | 3.40                       | 1.00                                       | 40                              |
| MOX-LCMC-1717-5R0 | 0.30              | 5.00                       | 3.00                                       | 40                              |
| MOX-LCMC-1717-8R0 | 0.20              | 8.00                       | 6.00                                       | 40                              |
| MOX-LCMC-1717-9R0 | 0.30              | 9.00                       | 3.00                                       | 40                              |
| MOX-LCMC-1717-10R | 0.10              | 10.00                      | 8.00                                       | 40                              |
| MOX-LCMC-1717-14R | 0.20              | 14.00                      | 6.00                                       | 40                              |
| MOX-LCMC-1717-18R | 0.10              | 18.00                      | 8.00                                       | 40                              |



## ENGINEERING NOTES

- Revision B (11-21-2011)
- Rated voltage: 250V AC/DC
- Withstanding voltage: AC 2400V (2 sec between lines)
- Insulation resistance: at 500VDC, more than 100MC (between lines)
- Thermal class: E (120 C)
- Operating temperature range ( $^{\circ}$ C):  $-25$  to T (T=120–temperature rise)
- Inductance measurement condition: 1kHz, 1V, CH10601
- RDC measurement: CH502BC
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- MoxiE Inductor Corporation custom products are subject to United States Copyright and or Patent protection(s).