

MOX-SPIF-1275



MoxiE's MOX-SPIF-1275 shielded surface mount power inductors are engineered for the stringent high current applications. The magnetic shielding is suitable for high density mounting and its flat bottom surface allows for solid mounting.

Features

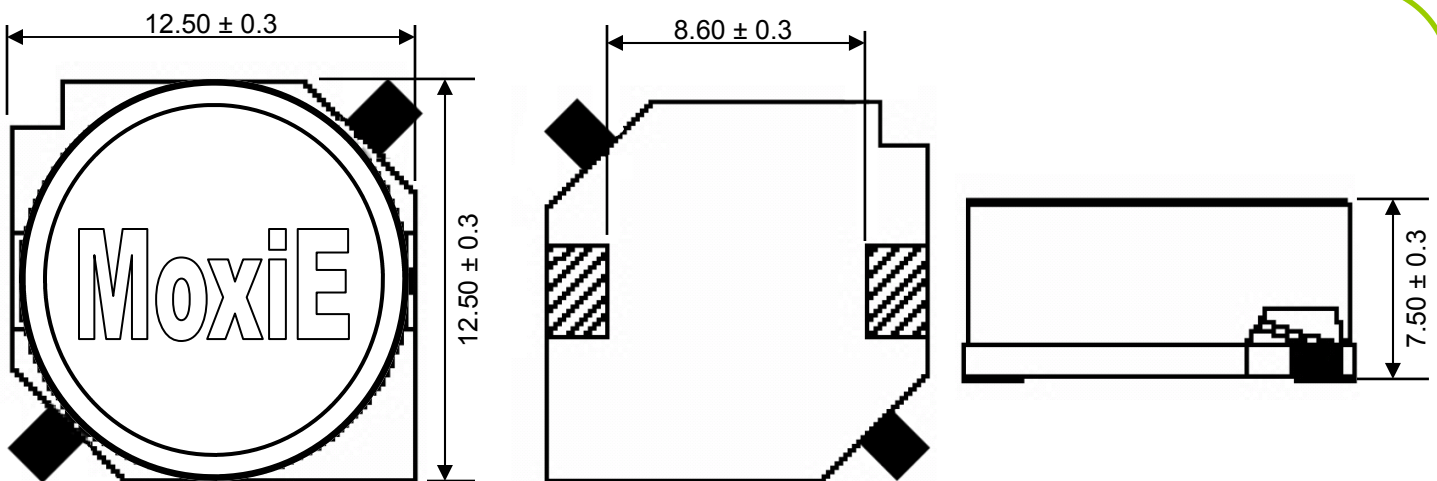
- RoHS Compliant.
- High Current Ratings.
- Low Cost.
- Magnetically Shielded.
- Excellent solderability and resistance to heat.



NOTES



MECHANICAL DIMENSIONS





ELECTRICAL SPECIFICATIONS

| MoxiE Part Number | Inductance | RDC MAX. (Ω) | IDC MAX. (A) | Test Frequency |
|--------------------|------------|-----------------------|--------------|----------------|
| MOX-SPIF-1275-1R2M | 1.2 | 0.0187 | 5.50 | 10 KHz |
| MOX-SPIF-1275-2R7M | 2.7 | 0.0113 | 10.0 | 10 KHz |
| MOX-SPIF-1275-3R9M | 3.9 | 0.0125 | 9.00 | 10 KHz |
| MOX-SPIF-1275-5R6M | 5.6 | 0.0139 | 7.80 | 10 KHz |
| MOX-SPIF-1275-6R8M | 6.8 | 0.0157 | 7.20 | 10 KHz |
| MOX-SPIF-1275-100M | 10.0 | 0.0187 | 5.50 | 10 KHz |
| MOX-SPIF-1275-150M | 15.0 | 0.0221 | 4.70 | 10 KHz |
| MOX-SPIF-1275-220M | 22.0 | 0.0316 | 4.00 | 10 KHz |
| MOX-SPIF-1275-330M | 33.0 | 0.0474 | 3.20 | 10 KHz |
| MOX-SPIF-1275-470M | 47.0 | 0.0634 | 2.70 | 10 KHz |
| MOX-SPIF-1275-680M | 68.0 | 0.0934 | 2.00 | 10 KHz |
| MOX-SPIF-1275-101M | 100.0 | 0.150 | 1.90 | 10 KHz |
| MOX-SPIF-1275-151M | 150.0 | 0.210 | 1.50 | 10 KHz |
| MOX-SPIF-1275-221M | 220.0 | 0.310 | 1.30 | 10 KHz |



ENGINEERING DATA

- Packaging: Tape & reel (500 pieces per reel)
- Operating temperature range -40°C to $+85^{\circ}\text{C}$.
- All electrical specifications are at 25°C .
- Inductance measured with zero DC current.
- RoHS Compliant.
- MoxiE Inductor Corporation specifications are subject to change without notice.
- TOLERANCE VALUE: K = 10%, L = 15%, M = 20%
- INDUCTANCE IS MEASURED AT INDICATED FREQUENCY, 0.1 Vrms, 0 Adc.
- DC CURRENT AT WHICH THE INDUCTANCE DROPS 1-% (TYP) FROM ITS VALUE WITHOUT CURRENT. TEMPERATURE RISE OF 40°C MAX.