

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

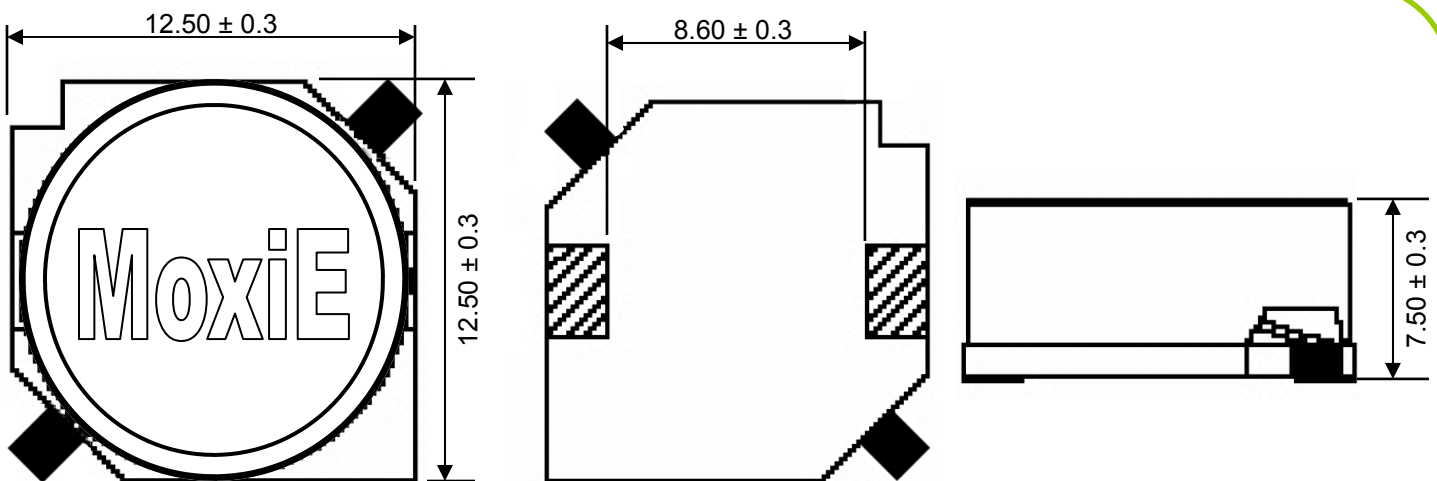
- RoHS Compliant.
- High Current Ratings.
- Low Cost.
- Magnetically Shielded.
- Excellent solderability and resistance to heat.



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.