

MOX-SPIF-1045

MoxiE
INDUCTOR CORPORATION

MoxiE's SPIF-1045 shielded surface mount power inductors are engineered with a low profile design that offers a low Rdc while providing a high current rating. Its magnetic shielding is suitable for high density mounting. The flat bottom surface allows for reliable mounting to boards.

Features

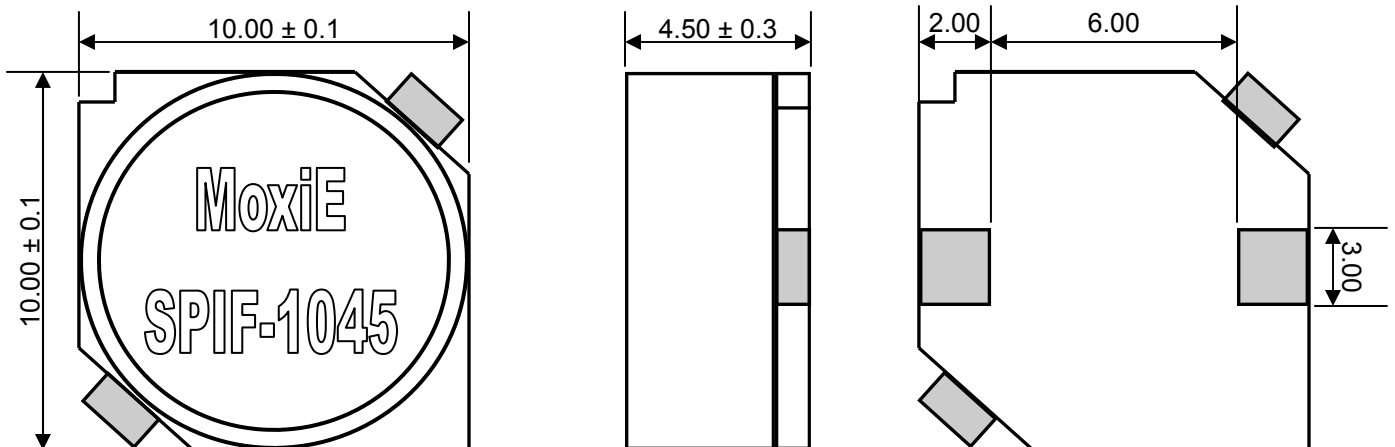
- RoHS Compliant.
- Low Cost
- Low resistance & high current.
- Excellent solderability and resistance to heat.



NOTES



MECHANICAL DIMENSIONS

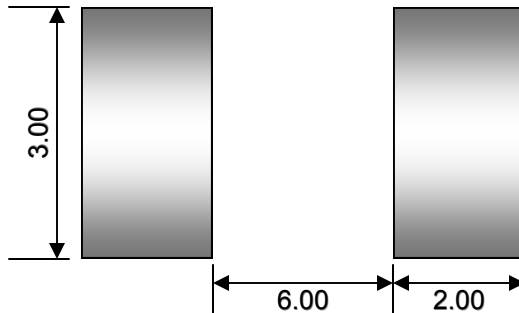


NOTE:
ALL DIMENSIONS IN MM

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RECOMMENDED LAND PATTERN



NOTE:
ALL DIMENSIONS IN MM



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (µH)	Tolerance (±%)	Test Frequency	DC Resistance (Ω ±20%)	Rated Current (A)	Itemp (A) Max.
MOX-SPIF-1045-100M	10	20	1 KHz	0.036	3.3	2.6
MOX-SPIF-1045-150M	15	20	1 KHz	0.045	02.5	2.4
MOX-SPIF-1045-220M	22	20	1 KHz	0.057	2.3	2.0
MOX-SPIF-1045-330M	33	20	1 KHz	0.079	1.8	1.8
MOX-SPIF-1045-470M	47	20	1 KHz	0.10	1.6	1.6
MOX-SPIF-1045-680M	68	20	1 KHz	0.12	1.4	1.4
MOX-SPIF-1045-101M	100	20	1 KHz	0.19	1.2	1.3
MOX-SPIF-1045-151M	150	20	1 KHz	0.32	0.82	0.84
MOX-SPIF-1045-221M	220	20	1 KHz	0.43	0.67	0.72
MOX-SPIF-1045-331M	330	20	1 KHz	0.65	0.58	0.62
MOX-SPIF-1045-471M	470	20	1 KHz	1.02	0.49	0.50
MOX-SPIF-1045-681M	680	20	1 KHz	1.58	0.40	0.39
MOX-SPIF-1045-102M	1000	20	1 KHz	2.74	0.35	0.30
MOX-SPIF-1045-152M	1500	20	1 KHz	3.25	0.24	0.28



ENGINEERING NOTES

- Operating temperature: -40°C to 85°C.
- Tolerance: M = ±20%
- Rated current: Value obtained when DC current flows and the initial value of inductance has fallen by 10%.
- Itemp current: Value obtained when current flows and the temperature has risen to 30°C
- MoxiE test equipment: HP4192A LF impedance analyzer or equivalent (test frequency: 1KHz/0.5V) RDC: CH502BC
- RoHS compliant
- Packaging: Tape & Reel. (500 pieces per reel)
- MoxiE Inductor Corporation specifications are subject to change without notice.