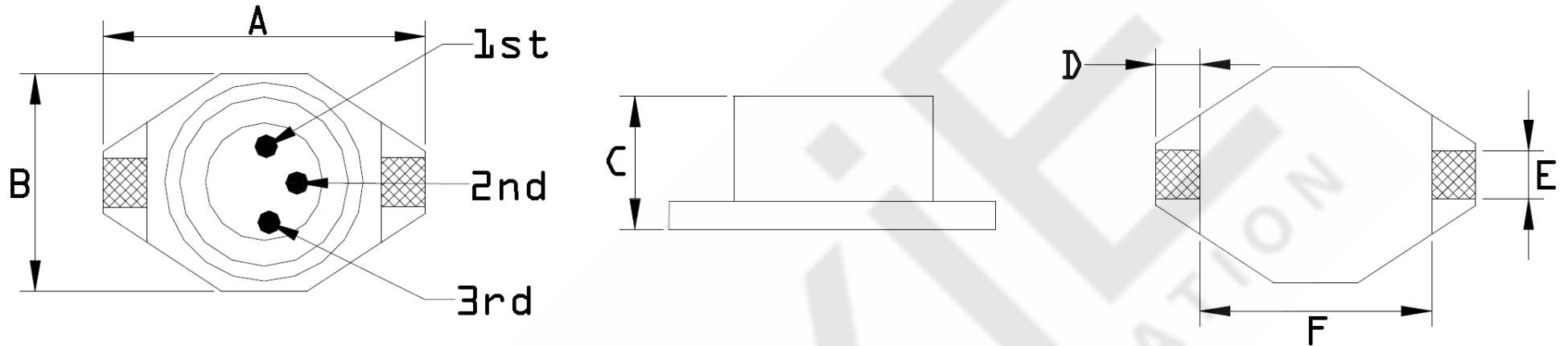


MECHANICAL (mm)



A MAX.	B MAX.	C MAX.	D	E	F
12.95	9.40	5.08	2.54	2.54	7.62

MOXIE NOTES:

- Operating temperature: -40°C to +125°C.
- Storage temperature: -40°C to +85°C.
- Tested at 100KHz , 0.1 Vrms.
- Inductance drop = 10% typ. At rated Isat.
- 40°C rise typ. at Irms.
- Packaging: Tape & Reel (1,000 pieces per reel)
- RoHS Compliant.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.
- Tolerances unless otherwise specified: 0-10=±0.15, 10-20=±0.20, 20-40=±0.25, 40-70=±0.30, ≥70=±0.40

MoxiE
INDUCTOR CORPORATION

(888) 535-5207 WWW.MOXIEINDUCTORS.COM

MOXIE SHIELDED INDUCTORS

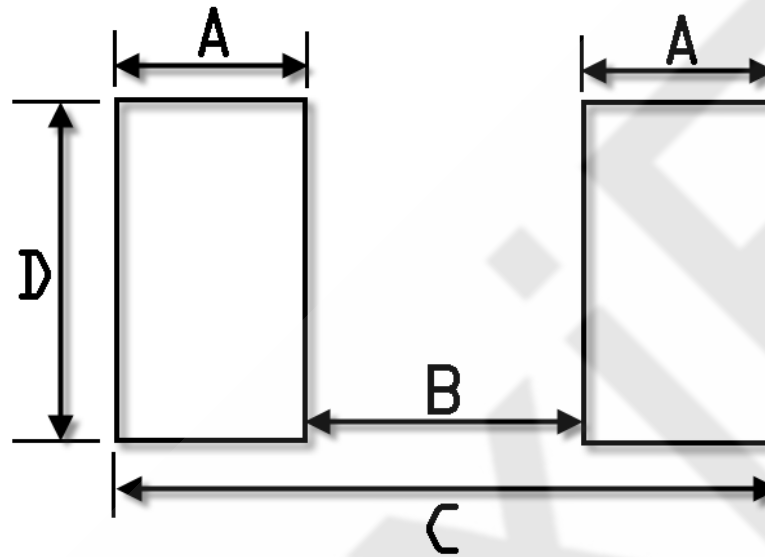
MOXIE MOX-SPHL-0804 SERIES

PAGE 1/3

REV. A

DWG NMBR: MOXSPHL0804

PCB LAYOUT (mm)



A	B	C	D
2.92	7.37	13.21	2.79

MOXIE NOTES:

- Operating temperature: -40°C to +125°C.
- Storage temperature: -40°C to +85°C.
- Tested at 100KHz , 0.1 Vrms.
- Inductance drop = 10% typ. At rated Isat.
- 40°C rise typ. at Irms.
- Packaging: Tape & Reel (1,000 pieces per reel)
- RoHS Compliant.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.
- Tolerances unless otherwise specified: 0-10=±0.15, 10-20=±0.20, 20-40=±0.25, 40-70=±0.30, ≥70=±0.40

MoxiE
INDUCTOR CORPORATION

(888) 535-5207 WWW.MOXIEINDUCTORS.COM

MOXIE SHIELDED INDUCTORS

MOXIE MOX-SPHL-0804 SERIES

PAGE 2/3

REV. A

DWG NMBR: MOXSPHL0804

ELECTRICAL @ 25°C

MoxiE Part Number	Inductance (μH)	Tolerance (±)	Q Min	Q Frequency (KHz)	DC Resistance (Ω) Max	SRF (MHz) Typ.	Isat (A)	Irms (A)
MOX-SPHL-0804-1R0M	1.00	20%	3.00	100	0.021	110	5.70	5.10
MOX-SPHL-0804-1R5M	1.50	20%	5.00	100	0.022	90	5.30	4.55
MOX-SPHL-0804-2R2M	2.20	20%	5.00	100	0.032	60	5.10	3.85
MOX-SPHL-0804-3R3M	3.30	20%	5.00	100	0.039	55	3.95	3.35
MOX-SPHL-0804-4R7M	4.70	20%	10.00	100	0.054	30	3.25	2.80
MOX-SPHL-0804-6R8M	6.80	20%	10.00	100	0.075	30	2.90	2.30
MOX-SPHL-0804-100M	10.00	20%	10.00	100	0.101	28	2.45	2.05
MOX-SPHL-0804-150M	15.00	20%	15.00	100	0.15	20	2.05	1.55
MOX-SPHL-0804-220M	22.00	20%	20.00	100	0.207	15	1.65	1.35
MOX-SPHL-0804-330M	33.00	20%	20.00	100	0.334	12	1.45	1.15
MOX-SPHL-0804-470M	47.00	20%	20.00	100	0.472	10	1.05	0.85

MOXIE NOTES:

- Operating temperature: -40°C to +125°C.
- Storage temperature: -40°C to +85°C.
- Tested at 100KHz , 0.1 Vrms.
- Inductance drop = 10% typ. At rated Isat.
- 40°C rise typ. at Irms.
- Packaging: Tape & Reel (1,000 pieces per reel)
- RoHS Compliant.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.
- Tolerances unless otherwise specified: 0-10=±0.15, 10-20=±0.20, 20-40=±0.25, 40-70=±0.30, ≥70=±0.40

MoxiE
INDUCTOR CORPORATION

(888) 535-5207 WWW.MOXIEINDUCTORS.COM

MOXIE SHIELDED INDUCTORS

MOXIE MOX-SPHL-0804 SERIES

PAGE 3/3

REV. A

DWG NMBR: MOXSPHL0804