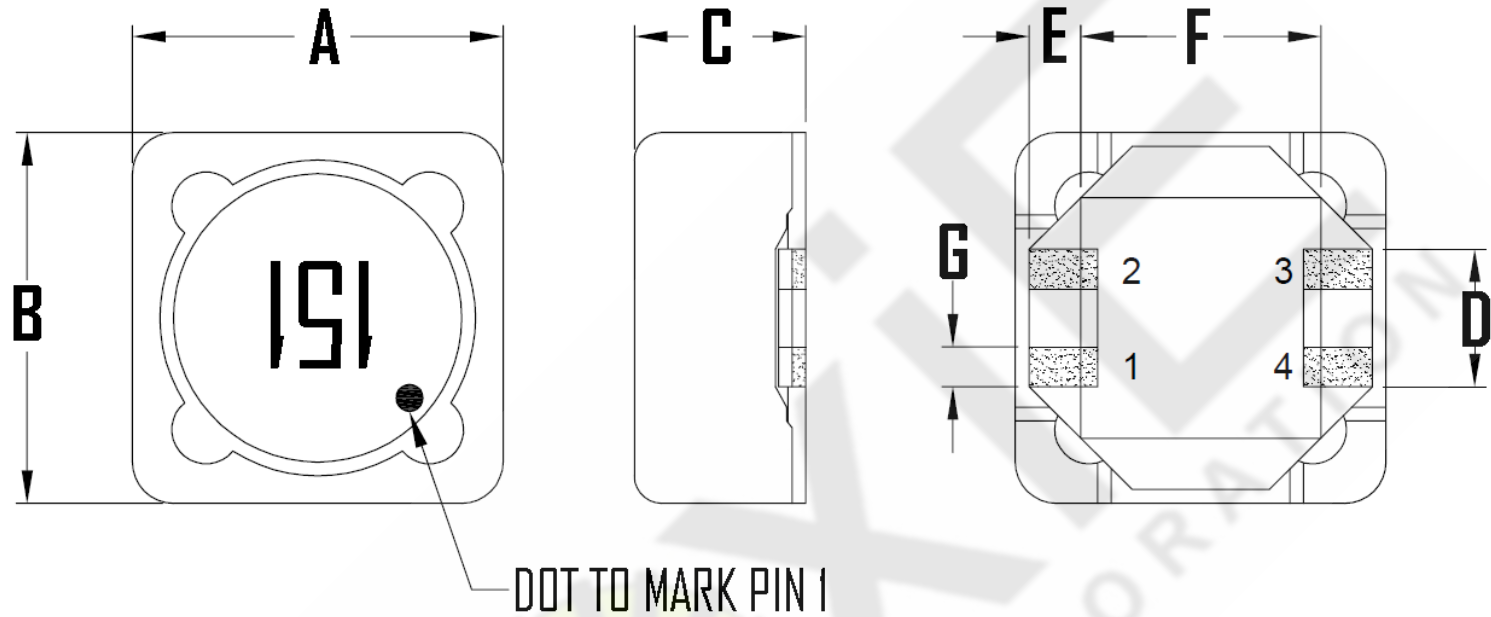


MECHANICAL (mm)



A	B	C	D	E	F	G
12.50 ± 0.3	12.50 ± 0.3	8.00 MAX.	5.00 REF.	2.20 REF.	7.60 REF.	1.70 REF.

MOXIE NOTES:

- MoxiE custom designs available.
- Hi-Pot (NI-N2) : 200Vac / 3mA / 1sec
- Temp. Rise : 40°C Typ. at Irms.
- ΔL/LOA : 30% Typ. at Isat.
- Resistance to solder heat : 260°C. for 10 (ten) seconds.
- Operating temperature: -40°C to +125°C.
- Storage temperature: -40°C to +125°C.
- 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

Dual Winding, Shielded Inductors/Transformer

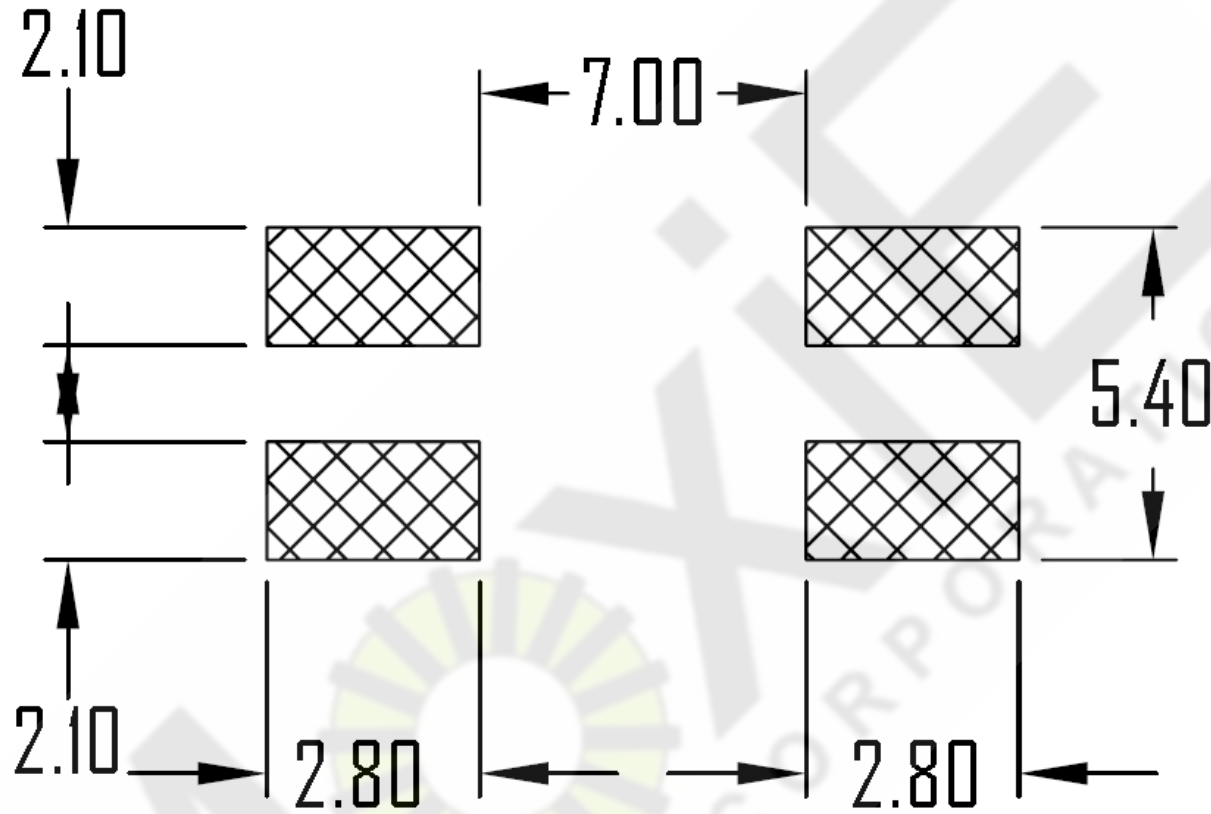
MOX-SPI-1207PM SERIES

PAGE 1/4

REV. C

DWG NUMBER: MOXSPI1207PM

PCB LAYOUT (mm)



MOXIE NOTES:

- MoxiE custom designs available.
- Hi-Pot (NI-N2) : 200Vac / 3mA / 1sec
- Temp. Rise : 40°C Typ. at Irms.
- $\Delta L/L0A$: 30% Typ. at Isat.
- Resistance to solder heat : 260°C. for 10 (ten) seconds.
- Operating temperature: -40°C to +125°C.
- Storage temperature: -40°C to +125°C.
- 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

Dual Winding, Shielded Inductors/Transformer

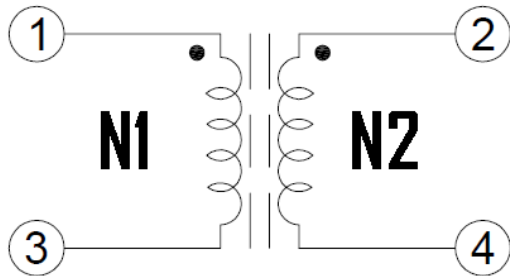
MOX-SPI-1207PM SERIES

PAGE 2/4

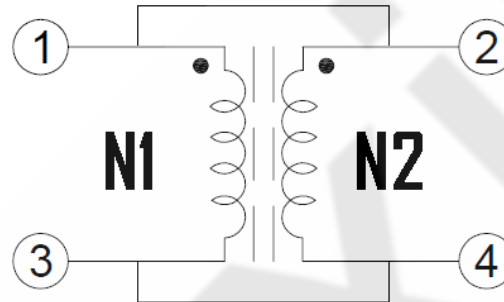
REV. C

DWG NUMBER: MOXSPI1207PM

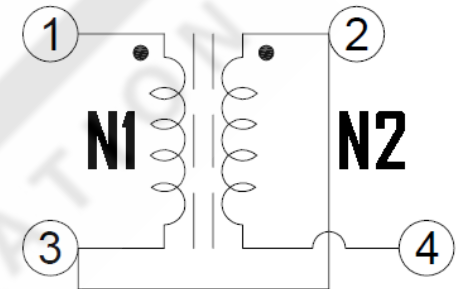
SCHEMATIC



DUAL INDUCTOR



PARALLEL



SERIES

MOXIE NOTES:

- MoxiE custom designs available.
- Hi-Pot (N1-N2) : 200Vac / 3mA / 1sec
- Temp. Rise : 40°C Typ. at Irms.
- $\Delta L/L0A$: 30% Typ. at Isat.
- Resistance to solder heat : 260°C. for 10 (ten) seconds.
- Operating temperature: -40°C to +125°C.
- Storage temperature: -40°C to +125°C.
- 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

Dual Winding, Shielded Inductors/Transformer

MOX-SPI-1207PM SERIES

PAGE 3/4

REV. C

DWG NUMBER: MOXSPI1207PM

ELECTRICAL @ 25°C

MoxiE Part Number	Inductance (μH) Ref.	Tolerance (±) %	Test Frequency (KHz)	Parallel				Series			
				Inductance (μH) Ref.	RDC (Ω) Max.	Isat (A)	Irms (A)	Inductance (μH) Ref.	RDC (Ω) Max.	Isat (A)	Irms (A)
MOX-SPI-1207PM-R50M	0.500	± 20%	0.25V/100K	0.520	0.0058	36.00	13.50	1.900	0.0260	18.50	6.720
MOX-SPI-1207PM-1R0M	1.000	± 20%	0.25V/100K	0.821	0.0085	25.00	10.00	3.284	0.0374	12.50	5.000
MOX-SPI-1207PM-1R5M	1.500	± 20%	0.25V/100K	1.357	0.0106	19.50	8.60	5.428	0.4500	9.60	4.300
MOX-SPI-1207PM-2R2M	2.200	± 20%	0.25V/100K	2.027	0.0127	16.50	8.30	8.108	0.0522	7.80	4.150
MOX-SPI-1207PM-3R3M	3.300	± 20%	0.25V/100K	2.831	0.0138	15.00	8.30	11.320	0.0570	7.40	4.150
MOX-SPI-1207PM-4R5M	4.500	± 20%	0.25V/100K	4.380	0.0169	11.80	6.50	17.520	0.0697	5.95	3.250
MOX-SPI-1207PM-6R8M	6.800	± 20%	0.25V/100K	7.387	0.0206	9.90	5.50	29.550	0.0899	4.50	2.750
MOX-SPI-1207PM-8R2M	8.200	± 20%	0.25V/100K	8.861	0.0223	8.70	5.30	35.440	0.0949	4.20	2.650
MOX-SPI-1207PM-100M	10.000	± 20%	0.25V/100K	10.470	0.0238	7.60	5.20	41.880	0.1016	3.85	2.600
MOX-SPI-1207PM-150M	15.000	± 20%	0.25V/100K	14.090	0.0301	6.50	4.30	56.360	0.1258	3.00	2.150
MOX-SPI-1207PM-220M	22.000	± 20%	0.25V/100K	22.930	0.0391	5.45	4.00	91.720	0.1570	2.70	2.000
MOX-SPI-1207PM-330M	33.000	± 20%	0.25V/100K	33.920	0.0600	4.25	3.23	135.700	0.2410	2.20	1.610
MOX-SPI-1207PM-470M	47.000	± 20%	0.25V/100K	47.050	0.0719	3.60	2.95	188.200	0.2880	1.85	1.470
MOX-SPI-1207PM-680M	68.000	± 20%	0.25V/100K	66.480	0.1050	2.95	2.44	265.900	0.4210	1.60	1.220
MOX-SPI-1207PM-820M	82.000	± 20%	0.25V/100K	79.750	0.1430	2.85	2.09	319.000	0.5730	1.50	1.040
MOX-SPI-1207PM-101M	100.000	± 20%	0.25V/100K	99.310	0.1630	2.65	1.96	397.200	0.6530	1.30	0.980
MOX-SPI-1207PM-151M	150.000	± 20%	0.25V/100K	144.90	0.2470	2.15	1.59	579.600	0.9890	1.10	0.796
MOX-SPI-1207PM-221M	220.000	± 20%	0.25V/100K	221.50	0.3760	1.65	1.29	886.000	1.5000	0.85	0.645
MOX-SPI-1207PM-331M	330.000	± 20%	0.25V/100K	323.60	0.5740	1.45	1.04	1294.000	2.3000	0.75	0.522
MOX-SPI-1207PM-471M	470.000	± 20%	0.25V/100K	467.10	0.8610	1.19	0.85	1868.000	3.4400	0.60	0.427
MOX-SPI-1207PM-681M	680.000	± 20%	0.25V/100K	676.70	1.0800	0.95	0.76	2707.000	4.3200	0.47	0.380
MOX-SPI-1207PM-821M	820.000	± 20%	0.25V/100K	818.10	1.4700	0.88	0.65	3272.000	5.8800	0.44	0.325
MOX-SPI-1207PM-102M	1000.00	± 20%	0.25V/100K	1005.0	1.6600	0.79	0.61	4637.333	6.6400	0.36	0.307

MOXIE NOTES:

- MoxiE custom designs available.
- Hi-Pot (NI-N2) : 200Vac / 3mA / 1sec
- Temp. Rise : 40°C Typ. at Irms.
- ΔL/LOA : 30% Typ. at Isat.
- Resistance to solder heat : 260°C. for 10 (ten) seconds.
- Operating temperature: -40°C to +125°C.
- Storage temperature: -40°C to +125°C.
- 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



(888)535.5207 WWW.MOXIEINDUCTORS.COM

Dual Winding, Shielded Inductors/Transformer

MOX-SPI-1207PM SERIES

PAGE 4/4

REV. C

DWG NUMBER: MOXSPI1207PM