

MOX-SPIL-0804

MoxiE
INDUCTOR CORPORATION

Surface Mount Shielded Power Inductors

MoxiE's SPIL-0804 series of surface mount shielded power inductors are widely used in PDA's, notebooks, LCD televisions and digital cameras.

Features:

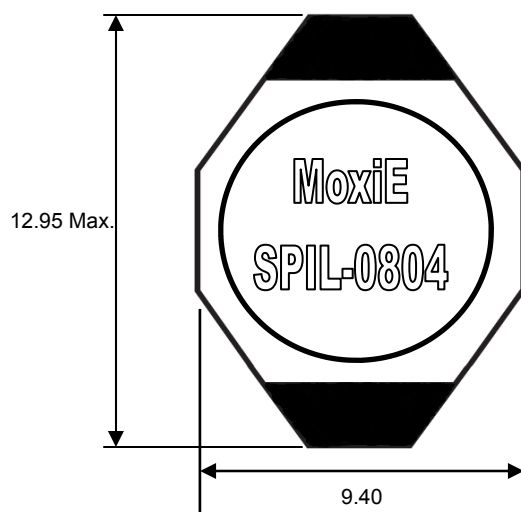
- Low cost.
- Flat top for pick & place machines.
- Available tolerances: $\pm 10\%$ & $\pm 20\%$.
- RoHS compliant.
- Magnetically shielded applications.



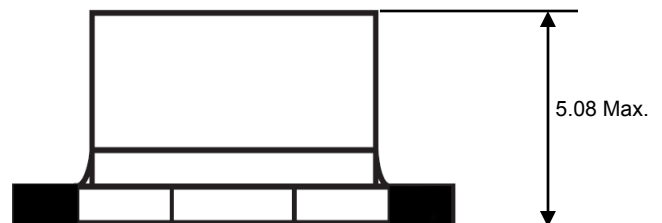
NOTES



MECHANICAL DIMENSIONS



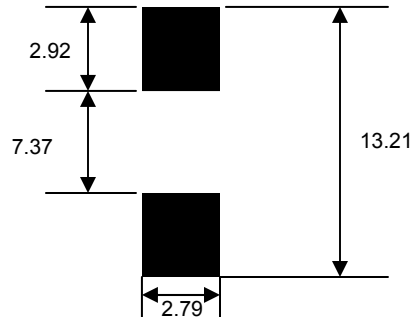
All dimensions in mm.



MoxiE Marking: Inductance & Tolerance



LANDING PATTERN



ELECTRICAL SPECIFICATIONS @ 25°C

Part Number	Inductance (μH)	Tolerance (%)	DCR (Ω) Maximum	SRF Typ. (MHz)	IsAT ¹ (A)	IRMS ² (A)
MOX-SPIL-0804-1R0M	1.0	20% (M)	0.022	140	11.2	5.5
MOX-SPIL-0804-1R5M	1.5	20% (M)	0.023	120	9.6	4.7
MOX-SPIL-0804-2R2M	2.2	20% (M)	0.032	80	7.9	3.9
MOX-SPIL-0804-3R3M	3.3	20% (M)	0.039	70	6.0	3.4
MOX-SPIL-0804-4R7M	4.7	20% (M)	0.055	40	5.7	2.8
MOX-SPIL-0804-6R8M	6.8	20% (M)	0.075	38	4.7	2.3
MOX-SPIL-0804-8R2M	8.2	20% (M)	0.085	36	4.3	2.2
MOX-SPIL-0804-100M	10	20% (M)	0.102	35	3.7	2.1
MOX-SPIL-0804-150M	15	20% (M)	0.151	25	3.2	1.6
MOX-SPIL-0804-220M	22	20% (M)	0.208	19	2.2	1.4
MOX-SPIL-0804-330M	33	20% (M)	0.335	15	1.9	1.2
MOX-SPIL-0804-470M	47	20% (M)	0.472	13	1.4	0.85
MOX-SPIL-0804-680M	68	20% (M)	0.60	10	1.3	0.75
MOX-SPIL-0804-101M	100	20% (M)	1.12	7	1.2	0.65
MOX-SPIL-0804-151M	150	20% (M)	1.56	6	0.85	0.55
MOX-SPIL-0804-221M	220	20% (M)	2.03	5	0.75	0.39
MOX-SPIL-0804-102M	1000	20% (M)	8.35	2	0.34	0.18



MOX-SPIL-0804 ENGINEERING NOTES

- Measuring Frequency (L) 100 KHz @ 1Vrms, 0Adc.
- ¹DC current at which the inductance drops 10% typical from its initial value without any current.
- ²Current that causes a 40°C temperature rise from 25°C ambient.
- RoHS Compliant.
- Ambient temperature range: -40°C to +125°C.
- Magnetically shielded to prevent noise radiation.
- MoxiE Inductor Corporation custom product are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.