

MOX-SPI-7D35

Surface Mount Shielded Power Inductors

MoxiE's SPI-7D35 series of surface mount shielded power inductors are widely used in PDA's, notebooks, LCD televisions and digital cameras. MoxiE offers a ultra low profile magnetically shielded package that offer high inductance & high power.

Features:

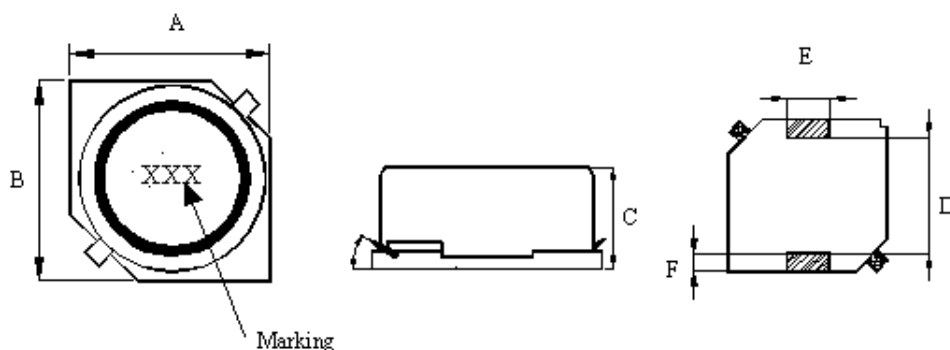
- Low cost.
- Operating temperature: -40°C to +85°C.
- Available tolerances: ±20%
- RoHS compliant.
- Magnetically shielded applications.



NOTES



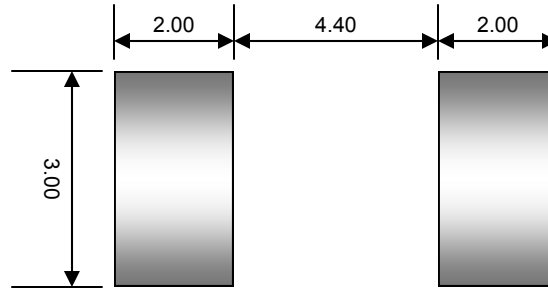
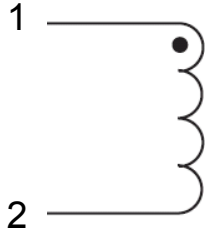
MECHANICAL DIMENSIONS



A	B	C	D	E	F
7.0 ± 0.4	7.0 ± 0.4	3.5 MAX	4.6 TYP.	2.0 TYP.	1.2 TYP.



LANDING PATTERN & SCHEMATIC



ELECTRICAL SPECIFICATIONS

Part Number	Inductance (μH)	Tolerance (%)	L Test Frequency	RDC (Ω) Maximum	Rated Current (A)
MOX-SPI-7D35-1R0M	1.0	20	100	0.012	3.12
MOX-SPI-7D35-2R2M	2.2	20	100	0.023	2.66
MOX-SPI-7D35-3R3M	3.3	20	100	0.035	2.26
MOX-SPI-7D35-4R7M	4.7	20	100	0.043	1.96
MOX-SPI-7D35-6R8M	6.8	20	100	0.055	1.76
MOX-SPI-7D35-100M	10	20	100	0.08	1.34
MOX-SPI-7D35-150M	15	20	100	0.12	1.09
MOX-SPI-7D35-220M	22	20	100	0.15	0.96
MOX-SPI-7D35-330M	33	20	100	0.25	0.75
MOX-SPI-7D35-470M	47	20	100	0.35	0.67
MOX-SPI-7D35-680M	68	20	100	0.52	0.59
MOX-SPI-7D35-101M	100	20	100	0.79	0.45
MOX-SPI-7D35-151M	150	20	100	0.92	0.37
MOX-SPI-7D35-221M	220	20	100	1.56	0.29
MOX-SPI-7D35-331M	330	20	100	2.34	0.22
MOX-SPI-7D35-471M	470	20	100	3.96	0.2
MOX-SPI-7D35-681M	680	20	100	5.46	0.16
MOX-SPI-7D35-102M	1000	20	100	7.88	0.13



MOXIE ENGINEERING NOTES

- Rated current: The rated current indicates the current when the inductance decreases to 65% over its nominal value or D.C. current when the temperature rises $\Delta t=40^{\circ}\text{C}$.
- MoxiE test instruments: HP4192A LF impedance analyzer. RDC: CH502BC Rated current: HP4284+HP42841A or CH1061+CH301A
- Magnetically shielded to prevent noise radiation.
- Packaging: Tape & Reel (1,000 pieces per reels)
- MoxiE Inductor Corporation specifications are subject to change without notice.