

MOX-SPI-6D20

Surface Mount Shielded Power Inductors

MoxiE's SPI-6D20 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:

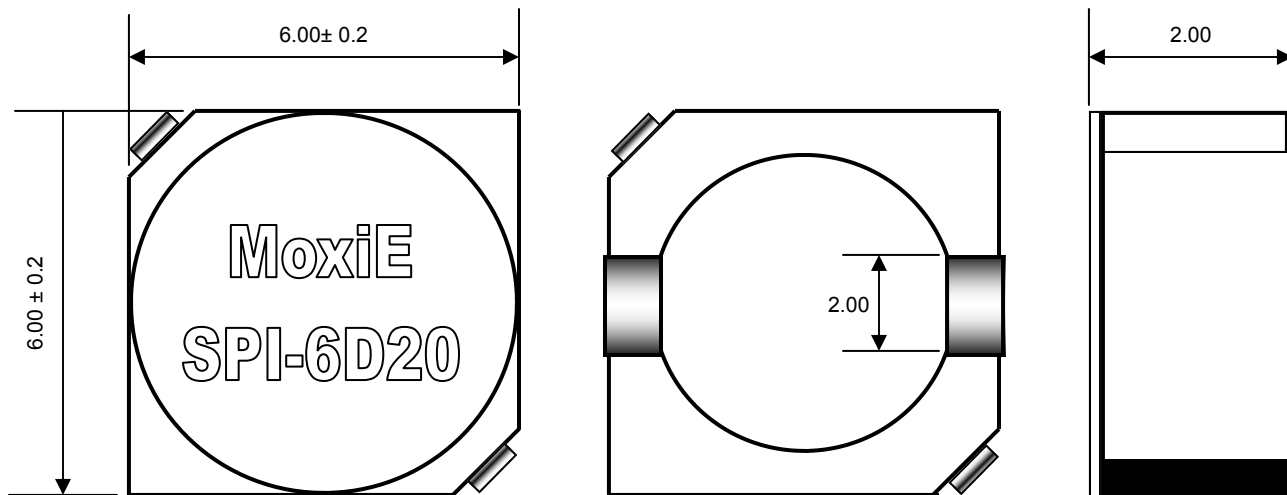
- Low Cost.
- Operating Temperature: -40°C to +85°C.
- Available Tolerances: $\pm 20\%$ & $\pm 30\%$.
- RoHS Compliant.
- Magnetically Shielded Applications.



NOTES

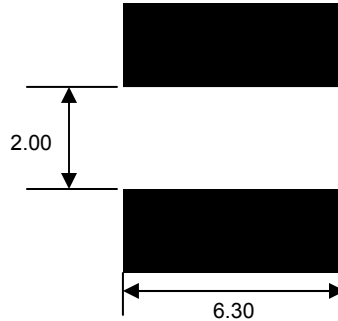
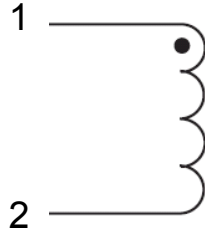


MECHANICAL DIMENSIONS





LANDING PATTERN & SCHEMATIC



ELECTRICAL SPECIFICATIONS

Part Number	Inductance (μH)	Tolerance (%)	RDC (Ω) Maximum	Rated Current (A)	L Test Frequency
MOX-SPI-6D20-4R7M	4.7	20% (M)	0.070	1.72	10 kHz
MOX-SPI-6D20-5R6M	5.6	20% (M)	0.076	1.68	10 kHz
MOX-SPI-6D20-6R8M	6.8	20% (M)	0.096	1.47	10 kHz
MOX-SPI-6D20-8R2M	8.2	20% (M)	0.116	1.25	10 kHz
MOX-SPI-6D20-100M	10.0	20% (M)	0.124	1.20	10 kHz
MOX-SPI-6D20-120M	12.0	20% (M)	0.162	1.10	10 kHz
MOX-SPI-6D20-150M	15.0	20% (M)	0.204	0.97	10 kHz
MOX-SPI-6D20-180M	18.0	20% (M)	0.226	0.85	10 kHz
MOX-SPI-6D20-220M	22.0	20% (M)	0.265	0.82	10 kHz
MOX-SPI-6D20-270M	27.0	20% (M)	0.320	0.77	10 kHz
MOX-SPI-6D20-330M	33.0	20% (M)	0.380	0.68	10 kHz
MOX-SPI-6D20-390M	39.0	20% (M)	0.496	0.57	10 kHz
MOX-SPI-6D20-470M	47.0	20% (M)	0.525	0.54	10 kHz
MOX-SPI-6D20-560M	56.0	20% (M)	0.795	0.50	10 kHz
MOX-SPI-6D20-680M	68.0	20% (M)	0.860	0.43	10 kHz
MOX-SPI-6D20-820M	82.0	20% (M)	0.980	0.41	10 kHz
MOX-SPI-6D20-101M	100.0	20% (M)	1.250	0.36	10 kHz

- DC current at which the inductance drops 35% (typ) from its value without current. Temperature rise of 40°C maximum.
- MoxiE test instruments: HP4192A LF impedance analyzer. RDC: CH502BC Rated current: HP4284+HP42841A or CH1061+CH301A
- Magnetically shielded to prevent noise radiation.
- Weight: Approx. 3.0 grams.
- Packaging: Tape & Reel (1,000 pieces per reels)
- MoxiE Inductor Corporation specifications are subject to change without notice.