

MOX-SPI-4D06 SERIES



SURFACE MOUNT UNSHIELDED POWER INDUCTORS

Moxie's SPI-4D06 series of surface mount power inductors offers a low DC resistance and are suitable for high current applications.

Features:

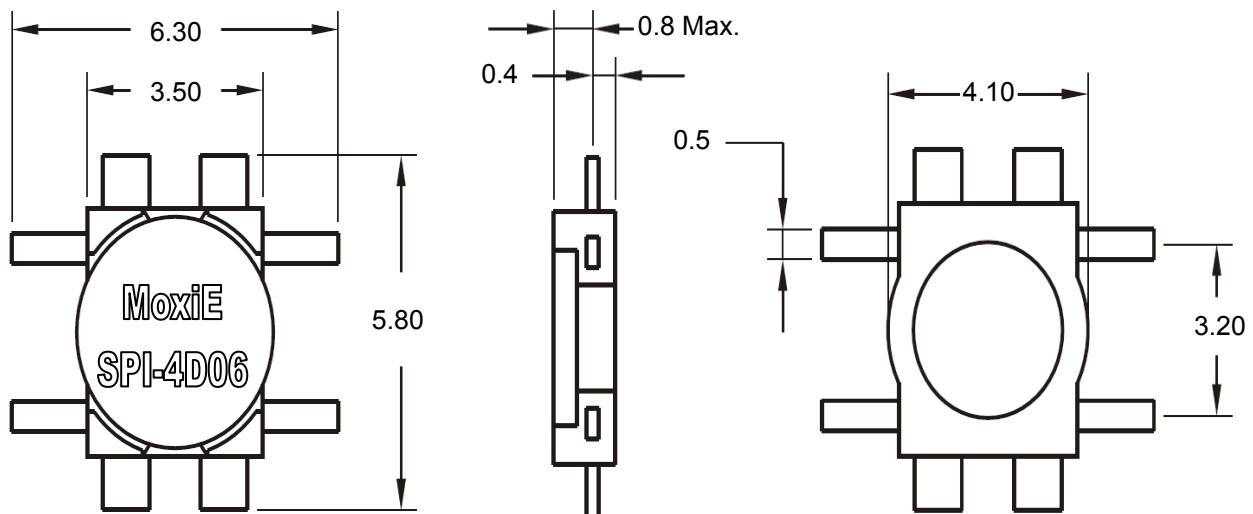
- Low Cost.
- Ideal for a variety of DC-DC converter inductor applications.
- RoHS Compliant.
- Suitable for high currents.
- Low DC resistance.
- High heat resistance.
- Packaging: Tape & Reel (2000 pieces per reel)



NOTES

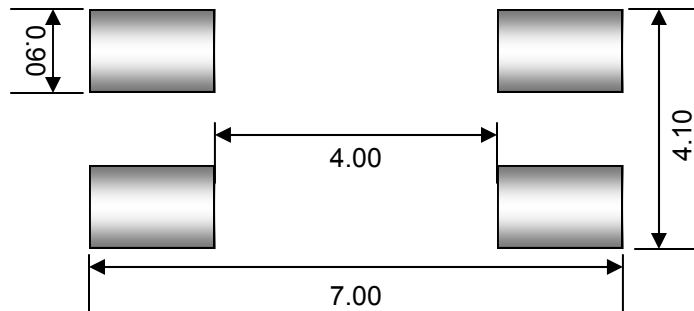


MECHANICAL DIMENSIONS





LANDING PATTERN



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (μH)	Tolerance (%)	Test Frequency	DCR (Ω Max.)	IDC (A Max.)
MOX-SPI-4D06-2R2M	2.2	20% (M)	100 KHz	0.116	0.97
MOX-SPI-4D06-3R3M	3.3	20% (M)	100 KHz	0.174	0.79
MOX-SPI-4D06-4R7M	4.7	20% (M)	100 KHz	0.216	0.77
MOX-SPI-4D06-6R8M	6.8	20% (M)	100 KHz	0.296	0.65
MOX-SPI-4D06-100M	10	20% (M)	100 KHz	0.457	0.52
MOX-SPI-4D06-120M	15	20% (M)	100 KHz	0.676	0.42
MOX-SPI-4D06-220M	22	20% (M)	100 KHz	1.065	0.32
MOX-SPI-4D06-330M	33	20% (M)	100 KHz	1.645	0.26
MOX-SPI-4D06-470M	47	20% (M)	100 KHz	2.842	0.20



MOX-SPI-4D06 ENGINEERING NOTES

- Rated current L value drop 10% typ. At Idc against initial value.
- Temperature rise: 40° max.
- Solderability: 75% of the lead wire shall be covered.
- Soldering methods: Wave & reflow
- Operating temperature: -25°C to +85°C.
- Storage temperature: -55°C to +125°C.
- Terminal bending strength: 24.5N minimum.
- MoxiE Inductor Corporation specifications are subject to change without notice.