

# MOX-SPI-4D08 SERIES

**MoxiE**  
INDUCTOR CORPORATION

## SURFACE MOUNT UNSHIELDED POWER INDUCTORS

MoxiE's SPI-4D08 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

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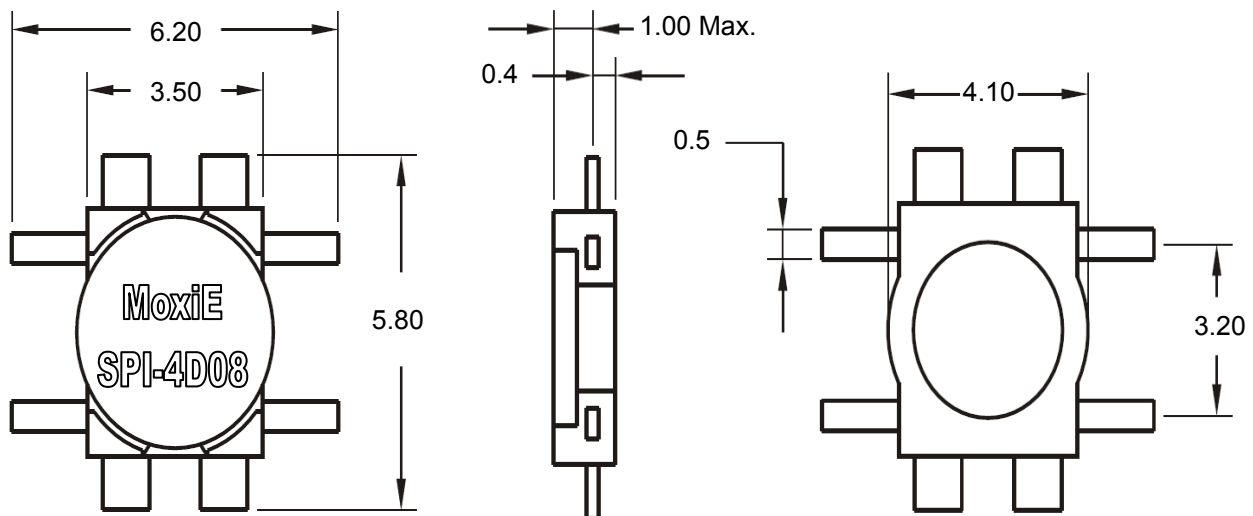
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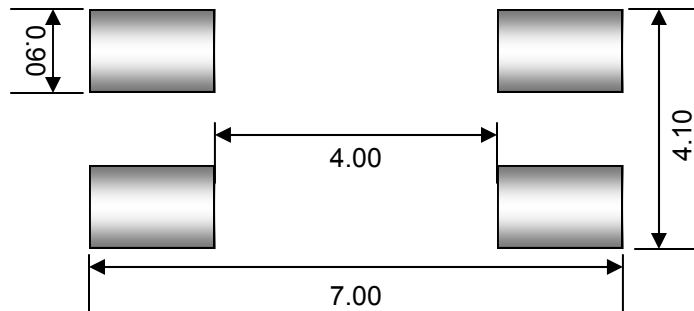


## MECHANICAL DIMENSIONS





## LANDING PATTERN



## ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (μH)	Tolerance (%)	Test Frequency	DCR (Ω Max.)	IDC (A Max.)
MOX-SPI-4D08-3R3M	3.3	20% (M)	100 KHz	0.060	0.88
MOX-SPI-4D08-4R7M	4.7	20% (M)	100 KHz	0.194	0.83
MOX-SPI-4D08-6R8M	6.8	20% (M)	100 KHz	0.276	0.67
MOX-SPI-4D08-100M	10	20% (M)	100 KHz	0.335	0.60
MOX-SPI-4D08-120M	15	20% (M)	100 KHz	0.508	0.47
MOX-SPI-4D08-220M	22	20% (M)	100 KHz	0.766	0.39
MOX-SPI-4D08-330M	33	20% (M)	100 KHz	1.162	0.30
MOX-SPI-4D08-470M	47	20% (M)	100 KHz	1.658	0.24
MOX-SPI-4D08-680M	68	20% (M)	100 KHz	2.534	0.20



## MOX-SPI-4D08 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.