

# MOX-SPI-4D28

**MoxiE**<sup>®</sup>  
INDUCTOR CORPORATION

## Surface Mount Shielded Power Inductors

MoxiE's SPI-4D28 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

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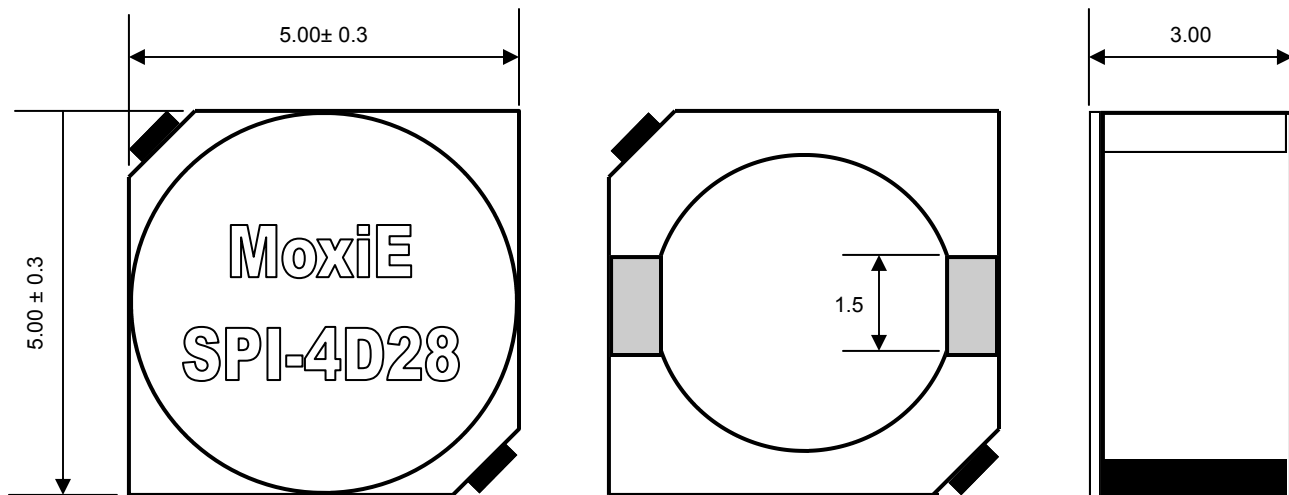
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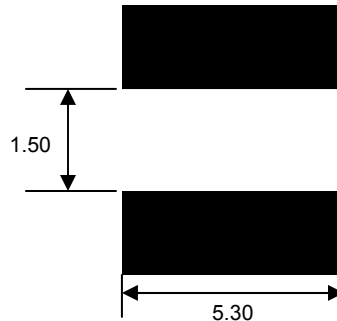
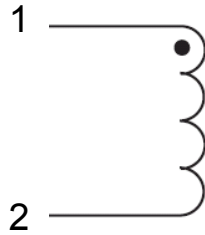


## MECHANICAL DIMENSIONS





## LANDING PATTERN & SCHEMATIC



## ELECTRICAL SPECIFICATIONS

Part Number	Inductance (µH)	Tolerance (%)	RDC (Ω) Maximum	Rated Current (A)	L Test Frequency
MOX-SPI-4D28-1R0M	1.0	20% (M)	25.3m	2.56	100 kHz
MOX-SPI-4D28-1R5M	1.5	20% (M)	31.8m	2.38	100 kHz
MOX-SPI-4D28-1R8M	1.8	20% (M)	36.9m	2.20	100 kHz
MOX-SPI-4D28-2R7M	2.7	20% (M)	50.4m	1.60	100 kHz
MOX-SPI-4D28-3R3M	3.3	20% (M)	57.6m	1.57	100 kHz
MOX-SPI-4D28-3R9M	3.9	20% (M)	66.4m	1.44	100 kHz
MOX-SPI-4D28-4R7M	4.7	20% (M)	72.0m	1.32	100 kHz
MOX-SPI-4D28-5R6M	5.6	20% (M)	80.0m	1.17	100 kHz
MOX-SPI-4D28-6R8M	6.8	20% (M)	92.0m	1.12	100 kHz
MOX-SPI-4D28-8R2M	8.2	20% (M)	98.0m	1.04	100 kHz
MOX-SPI-4D28-100M	10.0	20% (M)	128.0m	1.01	100 kHz
MOX-SPI-4D28-120M	12.0	20% (M)	134.0m	0.84	100 kHz
MOX-SPI-4D28-150M	15.0	20% (M)	144.0m	0.76	100 kHz
MOX-SPI-4D28-180M	18.0	20% (M)	186.0m	0.72	100 kHz
MOX-SPI-4D28-220M	22.0	20% (M)	218.0m	0.70	100 kHz
MOX-SPI-4D28-270M	27.0	20% (M)	252.0m	0.58	100 kHz
MOX-SPI-4D28-330M	33.0	20% (M)	285.0m	0.56	100 kHz
MOX-SPI-4D28-390M	39.0	20% (M)	408.0m	0.50	100 kHz
MOX-SPI-4D28-470M	47.0	20% (M)	440.0m	0.48	100 kHz
MOX-SPI-4D28-560M	56.0	20% (M)	550.0m	0.41	100 kHz
MOX-SPI-4D28-680M	68.0	20% (M)	620.0m	0.35	100 kHz
MOX-SPI-4D28-820M	82.0	20% (M)	920.0m	0.32	100 kHz
MOX-SPI-4D28-101M	100.0	20% (M)	1.03	0.29	100 kHz
MOX-SPI-4D28-121M	120.0	20% (M)	1.52	0.27	100 kHz
MOX-SPI-4D28-151M	150.0	20% (M)	1.68	0.24	100 kHz
MOX-SPI-4D28-181M	180.0	20% (M)	1.90	0.22	100 kHz

- 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.
- MoxiE Inductor Corporation specifications are subject to change without notice.