

# MOX-SPI-2812



**MoxiE**  
INDUCTOR CORPORATION

## Shielded Surface Mount Inductors

### Features:

- Low cost.
- Shielded construction.
- Ultra low profile 1.2mm maximum height.
- Excellent solderability & resistance to soldering heat.
- RoHS Compliant.
- Wide range of inductance values to accommodate various designs.



## NOTES

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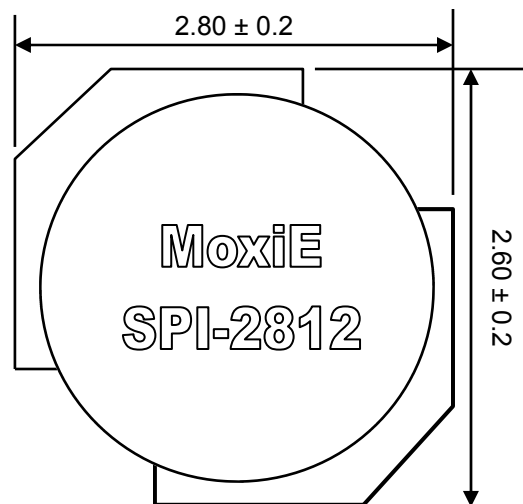
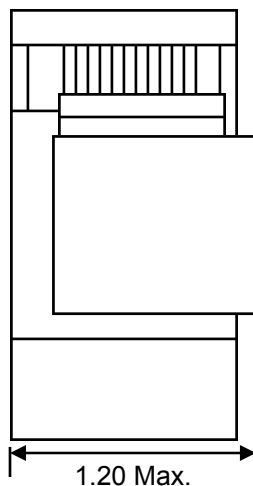
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## MECHANICAL DIMENSIONS



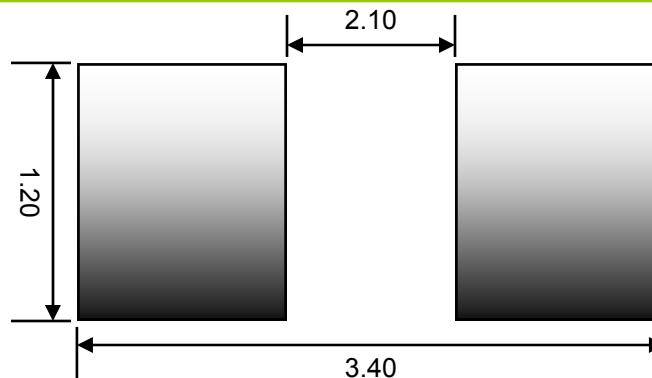


## ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance ( $\mu\text{H}$ )	DC Resistance ( $\Omega$ )		Rated Current (A)	Test Frequency
MOX-SPI-2812-1R2T	1.50 $\pm$ 30%	0.068 Max.	0.059 Typ.	1.20	100 kHz
MOX-SPI-2812-2R2M	2.20 $\pm$ 20%	0.10 Max.	0.088 Typ.	1.00	100 kHz
MOX-SPI-2812-3R3M	3.30 $\pm$ 20%	0.13 Max.	0.11 Typ.	0.87	100 kHz
MOX-SPI-2812-4R7M	4.70 $\pm$ 20%	0.19 Max.	0.16 Typ.	0.74	100 kHz
MOX-SPI-2812-6R8M	6.80 $\pm$ 20%	0.27 Max.	0.23 Typ.	0.59	100 kHz
MOX-SPI-2812-100M	10.0 $\pm$ 20%	0.41 Max.	0.36 Typ.	0.49	100 kHz
MOX-SPI-2812-150M	15.0 $\pm$ 20%	0.62 Max.	0.54 Typ.	0.41	100 kHz
MOX-SPI-2812-220M	22.0 $\pm$ 20%	0.76 Max.	0.66 Typ.	0.33	100 kHz
MOX-SPI-2812-330M	33.0 $\pm$ 20%	1.30 Max.	1.10 Typ.	0.27	100 kHz
MOX-SPI-2812-470M	47.0 $\pm$ 20%	2.20 Max.	1.90 Typ.	0.22	100 kHz



## LANDING PATTERN



## MOX-SPI-2812 ENGINEERING NOTES

- Operating Temperature Range<sup>1)</sup> -40°C + 105°C. (Including self temperature rise)
- Rated Current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the nominal value of inductance has fallen 30%, whichever is less.
- RoHS Compliant.
- MoxiE Inductor Corporation specifications are subject to change without notice.