

# MOX-TPI Series

## RADIAL LEADED DRUM CORE POWER INDUCTORS

**MoxiE**  
INDUCTOR CORPORATION



MoxiE's TPI series of radial leaded drum core power inductors offer a wide range of inductance values. These inductors are perfect for RFI suppression, switching regulators, filters, power supplies and power amps.

### Features

- RoHS compliant.
- High current ratings.
- Low cost.
- MoxiE custom designs available.
- Available in shrink tube or magnetic shielding.



## NOTES

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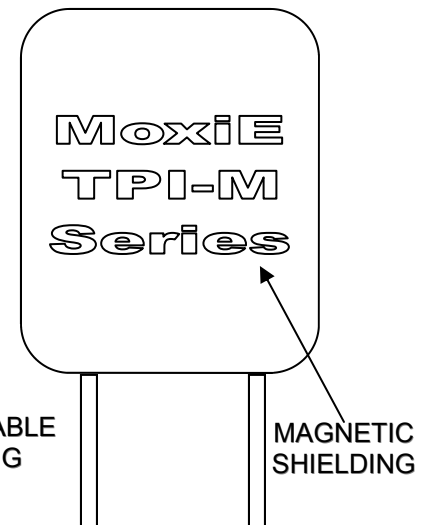
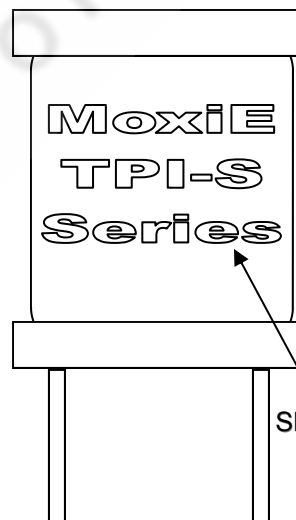
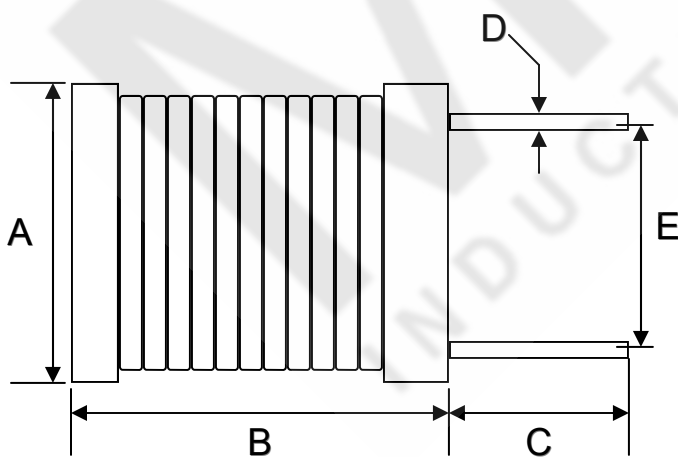
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## MECHANICAL DIMENSIONS



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## ELECTRICAL SPECIFICATIONS

MoxiE Part number	L ( $\mu\text{H}$ )	RDC	IDC	DIMENSION	DIMENSION	DIMENSION		
		( $\Omega$ Max.)	(A Max.)	A ( $\pm 2$ )	B ( $\pm 2$ )	C	D	E
MOX-TPI-0507	1-5000	0.02-41.50	0.1-3.2	5.00	7.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0608	1-20000	0-72	0.1-4.0	6.00	8.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0708	1-21000	0.5-60	0.05-4.5	7.00	8.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0810	1-40000	0.01-118	0.1-5.4	8.00	10.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0912	1-56000	0.01-124	0.05-5.8	9.00	12.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-1012	1-420000	0.01-650	0.01-6.0	10.00	12.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-1016	1-390000	0.01-620	0.05-6.3	10.00	16.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-1212	1-200000	0.01-230	0.05-6.8	12.00	12.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-1415	1-350000	0.01-390	0.05-7.5	14.00	15.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0505	0.22-1200	0.15-37	0.057-0.9	5.50	5.50	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0607	0.22-2700	0.15-40	0.043-1.2	6.60	7.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0708	1-3500	0.05-52	0.05-2.1	7.70	8.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0995	1-14000	0.01-18	0.05-4.0	9.00	9.50	PER CUSTOMER REQUIREMENTS		
MOX-TPI-0912	1-32000	0.01-20	0.01-2.5	9.00	11.50	PER CUSTOMER REQUIREMENTS		
MOX-TPI-1010	1-38000	0.02-25	0.02-3.2	10.00	10.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-1210	1-60000	0.01-24	0.15-6.0	12.00	10.00	PER CUSTOMER REQUIREMENTS		
MOX-TPI-1316	1-160000	0.02-60	0.01-3.2	13.00	16.50	PER CUSTOMER REQUIREMENTS		



## ENGINEERING DATA

- Non-listed values available upon request.
- Coils finished with UL-VW-1 rated sleeving.
- Temperature rise: 50°C maximum at IDC.
- Current flow and the temperature rise 20°C or inductance falls 10% typ.
- Inductance tested at 1KHz. 1Vrms.
- Operating temperature: -40°C to 85°C.
- MoxiE custom designs available per customers request.
- MoxiE custom designed product(s) are subject to United States patent and or copyright protection(s)
- MoxiE Inductor Corporation specifications are subject to change without notice.