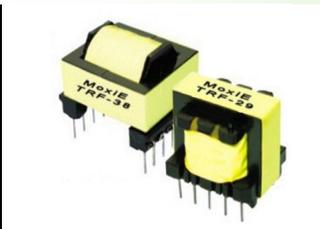
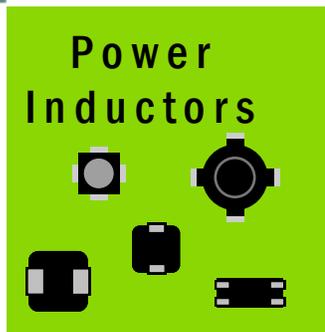
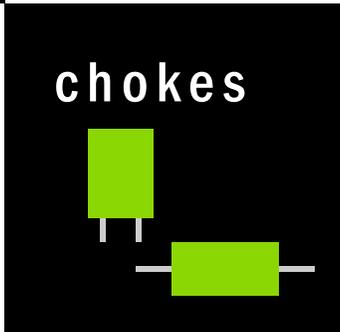
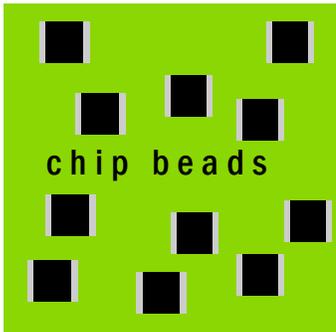
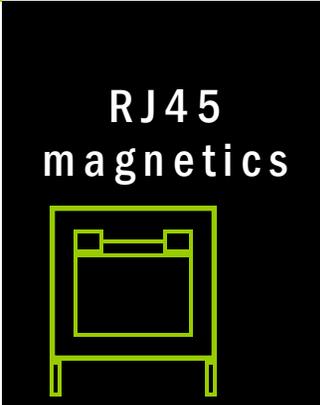
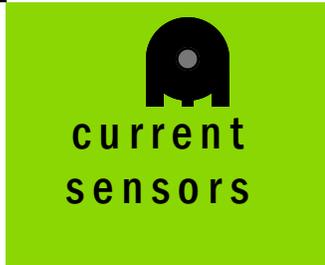
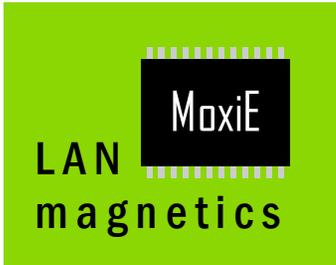


## MoxiE Inductor Corporation quick reference guide



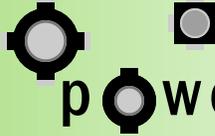
Volume 17



# transformers

# power inductors

# current sensors



**MOX-SPI-2525 Series**  
Surface Mount Ultra High Current Molded  
6.80 X 6.50 X 3.00mm  
Inductance Range: 0.10µH ~ 10.0µH



**MOX-SPI-4040D Series**  
Surface Mount Ultra High Current Metal Alloy  
11.50 X 10.00 X 4.00mm  
Inductance Range: 0.36µH ~ 10.0µH



**MOX-SPI-5050 Series**  
Surface Mount Ultra High Current Metal Alloy  
13.60 X 12.90 X 3.50mm  
Inductance Range: 0.10µH ~ 10.0µH



**MOX-SPI-1205SM Series**  
Single, Coupled or (1:1) Transformer  
12.50 X 12.50 X 8.00mm  
Inductance: 1.88µH ~ 3200µH I Max: 8.80A



**MOX-SPI-1205PM Series**  
Single, Coupled or (1:1) Transformer  
12.50 X 12.50 X 6.00mm  
Inductance: 1.40µH ~ 1000.0µH I Max: 13.0A



**MOXIE WLAN & BLUETOOTH**  
MoxiE Offers A Complete Line Of  
Bluetooth & WLAN Products  
Filters, Balun Transformers & Antennas



**MOX-LAN-QP4B Series**  
Quad Port, T1/E1 Transformer Modules  
Engineered to match E1, T1 PRI, CEPT ISDN  
Packaging: Surface Mount  
Drop In Replacements For All Major Competitors



**MOX-LAN-1100 Series**  
10/100/1000 Transformer Modules  
Engineered to meet IEEE802.3u requirements  
Packaging: Surface Mount  
Drop In Replacements For All Major Competitors



**MOX-LAN-1200 Series**  
10/100/1000 Transformer Modules  
Engineered to meet IEEE802.3u requirements  
Packaging: Surface Mount  
Drop In Replacements For All Major Competitors



**MOX-LAN-1400 Series**  
1000 Base-T Single Port Modules  
Engineered to meet IEEE802.3ab standards  
Packaging: Surface Mount  
Drop In Replacements For All Major Competitors



**MOX-LAN-9000 Series**  
10/100/1000 Transformer Modules  
Engineered for long haul gigabit Ethernet  
Packaging: Surface Mount  
Drop In Replacements For All Major Competitors



**MOX-ADSL1 Series**  
ADSL Transformers  
Thru-hole Package  
MoxiE Custom Designs Available



**MOX-ADSL3 Series**  
ADSL Transformers  
Thru-hole Package  
MoxiE Custom Designs Available



**MOX-SMPI Series**  
Octagon Power Inductors & Transformers  
Inductance Range: 1µH ~300µH  
Various Package Sizes Available



**MOX-UPI Series**  
Unshielded Power Inductor  
11.60 X 11.60 X 8.50mm  
Inductance Range: 10µH ~ 1.2mH; I Max: 3.50A



**MOX-UPLC2-0400 Series**  
Unshielded Low Profile Power Inductor  
6.50 X 5.60 X 1.00mm  
Inductance Range: 1.2µH ~ 330µH; I Max: 1.70A



**MOX-UPLC2-0401 Series**  
Unshielded Low Profile Power Inductor  
6.50 X 5.60 X 2.00mm  
Inductance Range: 1.0µH ~ 1mH; I Max: 2.30A



**MOX-UPI-0402 Series**  
Unshielded Low Profile Power Inductor  
6.60 X 4.50 X 2.92mm  
Inductance Range: 1µH ~ 1mH; I Max: 2.90A



**MOX-UPI-0802 Series**  
Unshielded Low Profile Power Inductor  
12.95 X 9.40 X 3.00mm  
Inductance Range: 1µH ~ 1mH; I Max: 2.00A



**MOX-UPI-0804 Series**  
Unshielded Low Profile Power Inductor  
12.95 X 9.40 X 5.21mm  
Inductance Range: 1µH ~ 1mH; I Max: 6.80A



**MOX-UPI-0810 Series**  
Unshielded Low Profile Power Inductor  
12.95 X 9.40 X 11.43mm  
Inductance Range: 1µH ~ 1mH; I Max: 3.50A



**MOX-UPI-1306 Series**  
Unshielded Low Profile Power Inductor  
18.54 X 15.24 X 7.11mm  
Inductance Range: 1µH ~ 1mH; I Max: 20.00A



**MOX-SMHC-0402 Series**  
High Current & Low Voltage Power Inductor  
7.50 X 5.20 X 3.20mm  
Inductance Range: 0.47µH ~ 100µH; I Max: 6.0A



**MOX-SMHC-0504 Series**  
High Current & Low Voltage Power Inductor  
9.00 X 6.10 X 5.00mm  
Inductance Range: 0.47µH ~ 100.0µH; I Max: 6.5A



**MOX-SMHC-0804 Series**  
High Current & Low Voltage Power Inductor  
13.20 X 9.90 X 6.00mm  
Inductance Range: 0.47µH ~ 100µH; I Max: 11.0A



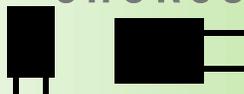
**MOX-SMHC-1105 Series**  
High Current & Low Voltage Power Inductor  
19.40 X 13.30 X 6.00mm  
Inductance Range: 0.47µH ~ 100µH; I Max: 17.0A



**MOX-SMHC-1305 Series**  
High Current & Low Voltage Power Inductor  
22.20 X 15.00 X 7.80mm  
Inductance Range: 0.47µH ~ 100µH; I Max: 20.0A

# chip inductors

# chokes



# toroids



- 

**MOX-UIP2-0504 Series**  
High Saturation, High Current Power Inductor  
5.80 X 5.20 X 4.50mm  
Inductance Range: 1.00μH ~ 1000μH; I Max: 5.90A
- 

**MOX-UIP2-0705 Series**  
High Saturation, High Current Power Inductor  
7.80 X 7.00 X 3.50mm  
Inductance Range: 1.40μH ~ 470μH; I Max: 3.70A
- 

**MOX-UIP2-1005 Series**  
High Saturation, High Current Power Inductor  
10.00 X 9.00 X 5.00mm  
Inductance Range: 10.00μH ~ 470μH; I Max: 4.33A
- 

**MOX-UIP1-4D06 Series**  
Low DC Resistance, Low Profile Power Inductor  
6.30 X 5.80 X 0.8mm  
Inductance Range: 2.20μH ~ 47μH; I Max: 0.95A
- 

**MOX-UIP1-4D08 Series**  
Low DC Resistance, Low Profile Power Inductor  
6.30 X 5.80 X 1.00mm  
Inductance Range: 3.30μH ~ 100μH; I Max: 0.85A
- 

**MOX-UIP1-4D11 Series**  
Low DC Resistance, Low Profile Power Inductor  
4.40 X 5.80 X 1.25mm  
Inductance Range: 2.20μH ~ 47μH; I Max: 0.95A
- 

**MOX-UIP1-5D11 Series**  
Low DC Resistance, Low Profile Power Inductor  
5.80 X 7.40 X 1.20mm  
Inductance Range: 3.30μH ~ 100μH; I Max: 0.94A
- 

**MOX-UIP1-5D13 Series**  
Low DC Resistance, Low Profile Power Inductor  
5.80 X 7.40 X 1.50mm  
Inductance Range: 3.30μH ~ 100μH; I Max: 1.25A
- 

**MOX-SPI-0602 Series**  
Shielded High Energy Storage & Low Power Loss  
6.20 X 6.20 X 3.00mm  
Inductance Range: 3.30μH ~ 330μH; I Max: 1.10A
- 

**MOX-SPI-0604 Series**  
Shielded High Energy Storage & Low Power Loss  
6.20 X 6.20 X 5.00mm  
Inductance Range: 100μH ~ 330μH; I Max: 1.35A
- 

**MOX-SPI-0703 Series**  
Shielded High Energy Storage & Low Power Loss  
7.30 X 7.30 X 3.40mm  
Inductance Range: 100μH ~ 1000μH; I Max: 1.68A
- 

**MOX-SPI-0704 Series**  
Shielded High Energy Storage & Low Power Loss  
7.30 X 7.30 X 4.50mm  
Inductance Range: 100μH ~ 1000μH; I Max: 1.85A
- 

**MOX-SPI-1004 Series**  
Shielded High Energy Storage & Low Power Loss  
10.00 X 10.00 X 4.10mm  
Inductance Range: 1.0μH ~ 1000μH; I Max: 10.50A
- 

**MOX-SPI-1204 Series**  
Shielded High Energy Storage & Low Power Loss  
12.50 X 12.50 X 4.50mm  
Inductance Range: 10μH ~ 330μH; I Max: 4.50A

- 

**MOX-SPI-1205 Series**  
Shielded High Energy Storage & Low Power Loss  
12.50 X 12.50 X 6.00mm  
Inductance Range: 10μH ~ 1000μH; I Max: 4.00A
- 

**MOX-SPI-1207 Series**  
Shielded High Energy Storage & Low Power Loss  
12.50 X 12.50 X 8.00mm  
Inductance Range: 10μH ~ 1000μH; I Max: 9.80A
- 

**MOX-SMC-0703 Series**  
Shielded Low Profile, High Current & Low Rdc  
6.80 X 7.50 X 3.20mm  
Inductance Range: 1.0μH ~ 6.8μH; I Max: 7.90A
- 

**MOX-SMC-1005 Series**  
Shielded Low Profile, High Current & Low Rdc  
10.00 X 10.90 X 5.00mm  
Inductance Range: 0.33μH ~ 0.56μH; I Max: 20.00A
- 

**MOX-SMC-1245 Series**  
Shielded Low Profile, High Current & Low Rdc  
12.50 X 12.80 X 4.70mm  
Inductance Range: 1.9μH ~ 10.0μH; I Max: 13.00A
- 

**MOX-SPI-4D28 Series**  
Shielded High Energy Storage & Low Power Loss  
4.70 X 4.70 X 3.00mm  
Inductance Range: 1.0μH ~ 150μH; I Max: 2.56A
- 

**MOX-SPI-5D18 Series**  
Shielded High Energy Storage & Low Power Loss  
5.70 X 5.70 X 2.00mm  
Inductance Range: 4.10μH ~ 82μH; I Max: 2.60A
- 

**MOX-SPI-6D18 Series**  
Shielded High Energy Storage & Low Power Loss  
6.70 X 6.70 X 3.00mm  
Inductance Range: 2.5μH ~ 82μH; I Max: 3.00A
- 

**MOX-SPI-7D18 Series**  
Shielded High Energy Storage & Low Power Loss  
7.00 X 7.00 X 4.00mm  
Inductance Range: 3.3μH ~ 120μH; I Max: 3.50A
- 

**MOX-SPI-0402 Series**  
Shielded High Energy Storage & Low Power Loss  
6.60 X 4.45 X 2.93mm  
Inductance Range: 1.0μH ~ 1000μH; I Max: 3.00A
- 

**MOX-SPI-0804 Series**  
Shielded High Energy Storage & Low Power Loss  
12.95 X 9.40 X 5.08mm  
Inductance Range: 1.0μH ~ 47μH; I Max: 5.00A
- 

**MOX-SPI-1306 Series**  
Shielded High Energy Storage & Low Power Loss  
18.54 X 15.24 X 7.62mm  
Inductance Range: 10μH ~ 1000μH; I Max: 3.90A
- 

**MOX-SPHL-0402 Series**  
Shielded Ultra High L at Low Current  
6.60 X 4.54 X 1.02mm  
Inductance Range: 1.0μH ~ 1000μH; I Max: 2.00A
- 

**MOX-SPHL-0804 Series**  
Shielded Ultra High L at Low Current  
12.95 X 9.40 X 5.08mm  
Inductance Range: 1.0μH ~ 1000μH; I Max: 5.00A

**MOX-SPIF-0628 Series**



Shielded High Current, Low Profile & Low Power Loss  
6.00 X 6.00 X 2.80mm  
Inductance Range: 4.7 $\mu$ H ~ 100 $\mu$ H; I Max: 2.50A

**MOX-SPIF-0728 Series**



Shielded High Current, Low Profile & Low Power Loss  
7.00 X 7.00 X 2.80mm  
Inductance Range: 1.0 $\mu$ H ~ 1000 $\mu$ H; I Max: 5.00A

**MOX-SPIF-0745 Series**



Shielded High Current, Low Profile & Low Power Loss  
7.00 X 7.00 X 4.50mm  
Inductance Range: 1.0 $\mu$ H ~ 1000 $\mu$ H; I Max: 1.60A

**MOX-SPIF-1045 Series**



Shielded High Current, Low Profile & Low Power Loss  
10.00 X 10.00 X 4.50mm  
Inductance Range: 10 $\mu$ H ~ 1500 $\mu$ H; I Max: 2.50A

**MOX-SPIF-1275 Series**



Shielded High Current, Low Profile & Low Power Loss  
12.50 X 12.50 X 7.50mm  
Inductance Range: 1.2 $\mu$ H ~ 220 $\mu$ H; I Max: 5.50A

**MOX-DLF Series**



Data Line EMI Filters  
12.50 X 10.00 X 8.00mm  
MoxiE Custom Designs Available

**MOX-RJ45 PoE+ Series**



PoE+ 10/100/1000 Base-TX  
-40C to +85C Available  
1,2,4,8 Port Designs  
MoxiE Custom Designs Available

**MOX-RJ45 Series**



RJ45 Connector Integrated Magnetics (Cat5e option)  
SMD & Thru-hole (2-port, 4-port, 8-port & 12-port)  
350 $\mu$ H Min. OCL with 8mA Bias Current

**MOX-RJ45-USB Series**



RJ45 Connector Dual USB Combo  
Complies to USB 2.0 Standards  
350 $\mu$ H Min. OCL with 8mA Bias Current

**MOX-RJ45V Vertical Mount Series**



RJ45 Connector Integrated Magnetics Vertical Mount  
(Cat5e option) 10/100 Base-TX NIC Applications  
1500 Vrms Minimum Isolation

**MoxiE Custom RJ45 Products**



Gigabit, PoE+, Low Profile, Thru-Hole & Surface Mount  
Quick-Turn Production Lead-times  
MoxiE Custom Designs Available



**MOX-CS Series**

High Frequency Current Sensors  
Surface Mount & Thru-hole  
MoxiE Custom Designs Available

**MOXIE CUSTOM INDUCTORS & TRANSFORMERS**



Looking for a custom made product?  
MoxiE specializes in custom windings &  
quick-turn prototypes for production

**MOX-TRH Series**



High Frequency Transformers  
Convectional Wound, Planar, PoE, SMD, Leaded,  
Thru-hole Bobbin Terminal  
Crosses to all major competitors

**MOX-HTI Series**



Horizontal Mount Power Inductors  
MoxiE Custom Designs Available  
Crosses to all major competitors

**MOX-VTI Series**



Vertical Mount Power Inductors  
MoxiE Custom Designs Available  
Crosses to all major competitors

**MOX-CMCT Series**



Thru-hole Common Mode Chokes  
MoxiE Custom Designs Available

**MOX-PLC & RLPL Series**



Radial Leaded Power Line Chokes  
Extremely High Q and High SRF  
MoxiE Custom Designs Available

**MOXIE MOLDED CHIP INDUCTORS**



0402, 0603, 0805, 1206, 1210 & 1812 packages  
Crosses to all major competitors

**MOXIE WIRE WOUND CHIP INDUCTORS**



0402, 0603, 0805, 1206, 1210 & 1812 packages  
Crosses to all major competitors

**MOXIE RF CERAMIC CHIP INDUCTORS**



0402, 0603, 0805, 1206, 1210 & 1812 packages  
Crosses to all major competitors

**MOX-TFI Series**



Thin Film Ceramic Chip Inductors  
Inductance Range: 0.10nH ~ 270nH  
Available Packages: 0402, 0603 & 0805

MoxiE Inductor Corporation is a leading supplier of RJ45's, inductors, transformers, chokes, coils, and custom windings committed to delivering quality products with superior service. MoxiE's experienced sales and engineering staff provide innovative magnetic products that meet the needs of today's most stringent design requirements. From the design phase to the prototype cycle and through mass production, the MoxiE commitment is time to market. Advance material planning and flexible stocking packages are only a piece of the proactive approach we take to meet our customer's delivery needs. Our staff welcomes your inquiry and business. At MoxiE your success is our success. That's MoxiE!



Want more MoxiE information?  
visit us on-line  
[www.moxieinductors.com](http://www.moxieinductors.com)  
Toll Free: 888.535.5207

