

High Current Low Profile Surface Mount Inductors



TT Electronics' high current, low profile, surface mount inductors compete with Coilcraft power inductors.

AEC-Q200 Certified and RoHS Compliant

HM65

Surface Mount Inductor

HM65-HXXXLF
HM65-PXXXLF
HM65-XXXLF
HM65-MXXXLF



- Operating temperature range -40°C to $+130^{\circ}\text{C}$
- Operating frequency up to 3MHz
- RoHS compliant

HM/HA66

Surface Mount Inductor

HM66-10X HM66-50X
HM66-15X HM66-60X
HM66-20X HM66-62X
HM66-30X HM66-70X HA66-530
HM66-40X HM66-80X HA66-640



- Operating temperature range -40°C to $+125^{\circ}\text{C}$
- Ambient temperature, maximum 80°C
- Operating frequency up to 3MHz
- RoHS compliant

HM/HA78

Surface Mount Inductor

HM/HA78-10X HM/HA78-45X
HM/HA78-20X HM/HA78-50X
HM/HA78-30X HM/HA78-60X
HM/HA78-40X



- Operating temperature range -40°C to $+125^{\circ}\text{C}$
- Temperature rise, maximum 40°C
- Operating frequency up to 3MHz
- RoHS compliant

HM/HA78D

Surface Mount Inductor

HM/HA78D-128X
HM/HA78D-755X



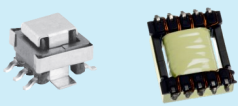


- HM78D-128/755: -40°C to $+125^{\circ}\text{C}$
- HA78D-128/HA78D-L128: -50°C to $+155^{\circ}\text{C}$
- Operating frequency up to 3MHz
- RoHS compliant

Competitive Cross Reference

TT Electronics product series	Coilcraft product series
HM65-HXXXLF HM65XXXLF HM65-PXXXLF	SER1360
HM65-MXXXLF	SER1052
HA/HM78 HA/HM78D HA/HM66	MSS1246T, MSS1260T, MSS1278T MSD1260T, MSD1278T, MSD7342 MSS1038T, MSS5121, MSS7341

TT Electronics' Magnetics Product Line Capabilities

Product / Technology	Applications	Features	Benefits
Power inductors 	<ul style="list-style-type: none"> Power modules LED drivers Engine controls Renewable energy inverters Power factor correction 	<ul style="list-style-type: none"> Wide range of inductances & package sizes High current applications to 120A High temperature applications to 220°C 	<ul style="list-style-type: none"> High power density for miniaturization Low power losses Harsh environment capability
Common mode chokes 	<ul style="list-style-type: none"> Electric power steering Telecommunication BMS EMI modules 	<ul style="list-style-type: none"> Wideband performance Low insertion losses Variety of package sizes 	<ul style="list-style-type: none"> High performance Very rugged and reliable
Transformers 	<ul style="list-style-type: none"> Flyback, forward and other isolated controller topologies Accurate current-sense transformers Gate-drive timing Renewable energy inverters 	<ul style="list-style-type: none"> Standard packages & custom designs Isolation voltages to 4200Vac Power levels to 3k Watts Reinforced isolation available 	<ul style="list-style-type: none"> High power density Lower power losses Harsh environment capability Cost effective solutions

TT Electronics is a global provider of engineered electronics for performance critical applications.

Our magnetic components, under the BI Technologies brand, have been used in numerous applications since we introduced our initial range of wound transformers and inductors to the power conversion market in 1987. Our current range of magnetic components includes both power and signal products. We offer a range of transformers, inductors and chokes for applications in transportation and industrial fields.