

Product Data Short Form

Magnetic Components



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

We have years of experience and expertise in engineering and delivering electronics for applications in the harshest environments across industrial, transportation, aerospace, defence and medical markets.

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.

We have dedicated engineering teams providing custom solutions and we offer a range of accreditations from our fully owned manufacturing facility in Kuantan:

ISO 14001-2004

OHSAS 18001-2007

ISO 13485-2003

ISO 9001-2008

TS 16949-2009

RoHS Compliance

REACH Directive

Conflict Mineral Policy

This short form catalogue provides an overview of our products and capabilities. We specialise in servicing and working directly with our customers to develop customised solutions to tackle individual product needs and requirements.

BI Technologies

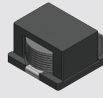
Please contact us at magsales@ttelectronics.com



All Pb-free parts comply with EU Directive 2011/65/EU (RoHS2)

Automotive

AEC-Q200 Certified



Model	HA72E High Power Molded	HA65A High Current Flatwire	HA55 High Efficiency, Hi Temp	HM53E High Temperature Toroidal	HA72T High Power Molded Hi Temp	HA78 Shielded Compact/ Coupled
Package Sizes	6x6, 12x12mm	26X26mm	22x23x17, 30x23x17, 36x23x17, 45x23x17mm	22x11x22mm	6 x 6	7x7, 12x12mm
Inductance Range	0.1µH to 33µH	3.3µH to 33µH	7µH to 50 µH	10.4µH to 89.7µH	0.1µH to 33µH	1.4µH to 1800µH
DC Resistance Range	0.6mOhms to 332mOhms	2.6 mOhms	2.0mOhms to 8.35mOhms	8.32mOhms to 30.81 mOhms	1.7mOhms to 332 mOhms	7 mOhms to 6.5 Ohms
Peak Current Rating	1.8A to 56A	10.3A to 87A	26A to 41A	2.1A to 10.5A	2.5A to 45A	135mA to 13A
Operating Frequency	to 3MHz	to 3MHz	to 400kHz	to 3MHz	to 3MHz	to 3MHz
Core Type	Shielded Molded Powdered Iron	Shielded Ferrite	Shielded Powdered Iron	MPP Toroid	Shielded Molded Powdered Iron	Shielded Ferrite
Operating Case Temp. Range	-40° C to +155° C	-40° C to +155° C	-40° C to +155° C	-40° C to +220° C	-55° C to +180° C	-40° C to +125° C
Packaging Options	Tape & Reel	Tape & Reel	Bulk	Tray	Tape and Reel	Tape & Reel

Automotive Product Selector Guide

Surface Mount Inductors																										
Model Number		Size mm Max.			Inductance µH				Saturation Current @ 25C ambient		DC Resistance Ω Max.															
		L	W	Ht	0.001	0.01	0.1	1	10	100	1000	10000	0.01	0.1	1	10	100	0.1m	1m	10m	100m	1	10	100		
HA65A		HA65A-2515XXXLF	26.5	26.5	15.5	3.3	33					10.3A	87A					2.6m								
HA72E		HA72E-06XXXLF	7.30	6.80	3.00	0.1	33					2.5A	45A	1.7m	332m											
		HA72E-12XXXLF	13.70	13.00	6.50	0.68	20					8A	35A	1.4m	37m											
HA72T		HA72T-06XXXLF	7.30	6.80	3.00	0.1	33					2.5A	45A	1.7m	332m											

Through Hole Inductors																										
Model Number		Size mm Max.			Inductance µH				Rated Current @ 25C ambient		DC Resistance Ω Max.															
		L	W	Ht	0.001	0.01	0.1	1	10	100	1000	10000	0.01	0.1	1	10	100	0.1m	1m	10m	100m	1	10	100		
HM53E		HM53E-2211XXXVLF	22	11	22	10.4	89.7					2.1A	10.5A	8.32m	30.81m											
HA55		HA55-2223XXXLF	22	23	17	7.0							40A		2m											
		HA55L-2223XXXLF	22	23	17	8.83								41A		2m										
		HA55-3023XXXLF	30	23	17	11.5	13.0							37A - 39A		2.76m	3.25m									
		HA55L-3023XXXLF	30	23	17	13.5	16.3							37A - 39A		2.76m	3.25m									
		HA55-3623XXXLF	36	23	17	20								33A		3.85m										
		HA55L-3623XXXLF	36	23	17	22	40							26A - 34A		3.85m	6.20m									
		HA55L-4523XXXLF	45	23	17	50						32A		8.35m												

Power Magnetics

High Current SMD Inductors

Model	HM72B/ HM72E/HA72E High Power Molded	HM65/HA65A High Current Flatwire	HM73 Low Profile	HM69 Low Profile/Coupled
Package Sizes	6x6, 10x10, 12x12mm	10X10, 13X13, 26X26mm	6x6, 10x10, 12x12mm	5x6 to 13x15
Inductance Range	0.1 μ H to 33 μ H	0.5 μ H to 33 μ H	0.1 μ H to 26.5 μ H	25nH to 300nH
DC Resistance Range	0.6mOhms to 332mOhms	2.1 mOhms to 13.5 mOhms	0.55mOhms to 30mOhms	0.17mOhms to 0.7mOhms
Peak Current Rating	1.8A to 56A	5A to 29A	3.5A to 40A	10A to 70A
Operating Frequency	to 3MHz	to 3MHz	to 800kHz	to 3MHz
Core Type	Shielded Molded Powdered Iron	Shielded Ferrite	Shielded Powdered Iron	Shielded Ferrite
Operating Case Temp. Range	-40° C to +155° C	-40° C to +155° C	-40° C to +155° C	-40° C to +125° C
Packaging Options	Tape & Reel	Tape & Reel	Tape & Reel	Tape & Reel

Medium Current SMD Inductors

Model	HM76 High Performance Drum	HM77 Low Profile Toroidal	HM79S Shielded Compact Drum
Package Sizes	4x7, 9x12, 15x18mm	8x8, 11x11 14x14, 17x17mm	5x6, 7x8, 9x10, 12x13mm
Inductance Range	0.78 μ H to 1000 μ H	1.01 μ H to 1070 μ H	10 μ H to 3300 μ H
DC Resistance Range	0.003 Ω to 11.55 Ω	3.60 Ω to 1700 Ω	0.05 Ω to 4.3 Ω
Peak Current Rating	0.05A to 15A	0.71A to 13.9A	0.16A to 2.5A
Operating Frequency	to 3MHz	to 400kHz	to 3MHz
Core Type	Drum	Toroid	Drum and Sleeve
Operating Case Temp. Range	-40°C to +125°C	-40°C to +130°C	-40°C to +125°C
Packaging Options	Tape & Reel	Tape & Reel	Tape & Reel

Medium Current SMD Inductors

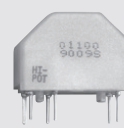
Model	HM66/HM66A Shielded Miniature Low Profile	HM78/HM78D Shielded Compact/Coupled	HM79 Medium Power	HM71 High Performance
Package Sizes	3x3 to 10x10mm	7x7, 12x12mm	4x4, 5x6, 7x8, 9x10mm	4x6, 9x12, 15x18mm
Inductance Range	1.0 μ H to 2200 μ H	0.3 μ H to 4800 μ H	1.0 μ H to 820 μ H	1.0 μ H to 1000 μ H
DC Resistance Range	5.8 mOhms to 4.0 Ohms	7 mOhms to 15.6 Ohms	5 mOhms to 2.5 Ohms	9.0 mOhms to 13.8 Ohms
Peak Current Rating	50mA to 13A	135mA to 18A	0.24A to 8.0A	50mA to 8.6A
Operating Frequency	to 3MHz	to 3MHz	to 3MHz	to 1MHz
Core Type	Shielded Ferrite	Shielded Ferrite	Unshielded Ferrite	Unshielded Ferrite
Operating Case Temp. Range	-40° C to +125° C	-40° C to +125° C	-40° C to +125° C	-40° C to +125° C
Packaging Options	Tape & Reel	Tape & Reel	Tape & Reel	Tape & Reel

High Current Through-Hole Inductors



Model	HA55 High Efficiency, Hi Temp	HM55 Shielded Compact Drum	HM53E High Temperature Toroidal
Package Sizes	22x23x17, 30x23x17, 36x23x17, 45x23x17mm	7.5-13.8x7.5-13.5x7.5-13.5mm	22x11x22mm
Inductance Range	7 μ H to 50 μ H	0.28 μ H to 5.6 μ H	10.4 μ H to 89.7 μ H
DC Resistance Range	2.0mOhms to 8.35mOhms	0.7mOhms to 7.7mOhms	8.32mOhms to 30.81 mOhms
Peak Current Rating	26A to 41A	9A to 40A	2.1A to 10.5A
Operating Frequency	to 400kHz	to 400kHz	to 3MHz
Core Type	Shielded Powdered Iron	Shielded Powdered Iron	MPP Toroid
Operating Case Temp. Range	-40° C to +155° C	-40° C to +155° C	-40° C to +220° C
Packaging Options	Bulk	Tray	Tray

Transformers









Model	HM31 Encapsulated	HM33 Surface Mount	HM41 Encapsulated Toroidal	HM42 Low Profile SMD
Industry Style	Current Sense	Current Sense	Gate Drive	Gate Drive
Inductance Range	1.3mH to 195mH	180 μ H to 3,000 μ H	140 μ H to 830 μ H	300uH to 3300uH
Turns Ratio	1:25:25 to 1:300	1:30 to 1:125	1:0.67 to 1:2	1:1, 1:1:1, 2:1:1
Operating Frequency	20KHz plus	20KHz plus	20KHz to 300KHz	20kHz to 300kHz
DC Resistance Range	0.7 Ω to 11.0 Ω	1.0 Ω to 7.36 Ω	0.06 Ω to 0.156 Ω	0.30 to 2.0 Ohms
Core Type	Toroid	EE	Toroid	EE and Toroid
Operating Case Temp. Range	-25°C to +105°C	-25°C to +105°C	-25°C to +85°C	-40°C to +125°C
Packaging Options	Bulk	Tape & Reel	Bulk	Tape & Reel

Common Mode Chokes





Model	HM67 Compact Toroidal	HM85 Horizontal	HM86 Encapsulated	HM28 Vertical
Package Sizes	2x3, 3x5, 6x9mm	12x14 to 18x19mm	11x11, 14x14mm	22x22x23, 26x26x24, 30x30x25, 25x19x32, 30.5x22.5x36, 36.5x25x43mm
Inductance Range	5 μ H to 4700 μ H	150 μ H to 22mH	25 μ H to 1600 μ H	0.45mH to 12mH
DC Resistance Range	100 mOhms to 1.2 Ohms	10 mOhms to 850 mOhms	3.1 mOhms to 350 mOhms	80 mOhms to 2.70 mOhms
Peak Current Rating	200mA to 1A	500mA to 5.6A	500mA to 5.7A	0.5A to 4.0A
Withstanding Voltage	125 to 300vdc	500Vdc	500Vdc	1500Vac
Core Type	Ferrite	Ferrite Toroid	Ferrite Toroid	Ferrite Buckle
Operating Case Temp. Range	-40° C to +125° C	-40° C to +125° C	-40° C to +125° C	-40° C to +105° C
Packaging Options	Tape & Reel	Tape & Reel	Tape & Reel	Bulk



Product Selector Guide





		Surface Mount Inductors																						
Model Number	Size mm Max.			Inductance μH					Saturation Current @ 25C ambient			DC Resistance Ω Max.												
	L	W	Ht	0.001	0.01	0.1	1	10	100	1000	10000	0.01	0.1	1	10	100	0.1m	1m	10m	100m	1	10	100	
HM65 	HM65-HXXXLF	13.50	12.50	5.60/6.00	1.0		7.2					7.8		20		2.5m		13.5m						
	HM65-XXXLF	13.50	12.50	5.60	1.5		10					5.0		14		2.5m		13.5m						
	HM65-PXXXLF	13.50	12.50	6.00	1.0		2.5					10		20		2.5m		3.4m						
	HM65-MXXXLF	10.40	10.40	5.60	0.5		2.5					12		29		2.2m		6m						
HM66 	HM66-10XXXLF	4.30	4.30	1.80	1.5		33					0.32		1.55		55m		675m						
	HM66-15XXXLF	4.30	4.30	1.85	1.5		33					0.32		1.55		55m		675m						
	HM66-20XXXLF	5.20	5.20	2.10	1.0		39					0.30		1.72		45m		709m						
	HM66-30XXXLF	5.20	5.20	3.00	1.2		180					0.22		2.56		23.6m		1.540						
	HM66-40XXXLF	6.20	6.20	2.00	4.1		100					0.36		1.95		57m		1.200						
	HM66-50XXXLF	6.20	6.20	3.00	2.5		100					0.42		2.60		18m		520m						
	HM66-60XXXLF	7.20	7.20	3.00	3.0		100					0.54		3.00		24m		535m						
	HM66-62XXXLF	6.70	6.20	2.00	1.0		1.8					2.47		3.50		23m		36m						
	HM66-70XXXLF	7.20	7.20	4.00	3.3		220					0.45		3.50		20m		820m						
HM66-80XXXLF	10.50	10.70	4.00	1.5		1000					0.33		10.00		8.10m		2.853							
HM66A 	HM66A-0420XXXLF	4.2	4.2	2.0	1.0		100				0.10		1.50		58m		2.120							
	HM66A-0520XXXMLF	5.3	5.3	2.0	1.2		47				0.35		2.15		44m		730m							
	HM66A-0530XXXMLF	5.3	5.3	3.0	1.2		2200				0.05		3.80		22m		19							
	HM66A-0628XXXMLF	6.2	6.2	3.0	4.7		100					0.42		1.60		43m		744m						
	HM66A-0728XXXMLF	7.2	7.2	3.0	3.3		47					0.54		1.60		44m		408m						
	HM66A-0730XXXMLF	7.2	7.2	3.2	3.3		100					0.35		1.80		28m		540m						
	HM66A-0732XXXMLF	7.2	7.2	3.4	3.3		1000					0.13		1.90		28m		5.736						
	HM66A-0745XXXMLF	7.2	7.2	4.8	3.3		1000					0.14		2.50		24m		2.736						
	HM66A-1030XXXNLF	10.4	10.3	3.0	10		150					0.70		2.70		58.1m		876.3m						
	HM66A-1045XXXMLF	10.4	10.4	4.8	10		1500					0.22		3.0		43m		4.080						
	HM66A-1050XXXNLF	10.4	10.3	5.0	1.5		1000					0.35		8.3		5.8m		1.9464						
	HM66A-1255XXXLF	12.8	12.8	5.9	6		1500					0.29		3.6		20m		2.076						
	HM66A-1265XXXLF	12.8	12.8	6.9	2		150					1		10		14m		328m						
	HM66A-1275XXXLF	12.8	12.8	7.9								1.3		13		8m		310m						
HM71 	HM71-10XXXLF	6.60	4.45	2.92	1		1000				0.07		2.9		50m		13.8							
	HM71-20XXXLF	12.95	9.40	3.00	10		1000				0.05		2.0		110m		8.4							
	HM71-30XXXLF	12.95	9.40	5.40	1		1000					0.3		6.8		9m		3						
	HM71-40XXXLF	12.95	9.40	11.43	10		1000					0.1		3.5		40m		2						
	HM71-50XXXLF	18.54	15.24	7.11	1		1000					0.56		8.6		9m		1.8						
HM72B/ HM72E/ HA72E 	HM72B-06XXXLF	7.23	6.80	3.00	0.1		33				3.5		60		1.7m		332m							
	HM72B-12XXXHLF	13.70	13.00	6.50	1		20				12		51		2.6m		40.5m							
	HM72E-06XXXLF	7.30	6.80	3.00	0.1		33				2.5		45		1.7m		332m							
	HA72E-06XXXLF	7.30	6.80	3.00	0.1		33				2.5		45		1.7m		332m							
	HM72E-12XXXLF	13.70	13.00	6.50	0.68		20					8		35		1.4m		37m						
	HA72E-12XXXLF	13.70	13.00	6.50	0.68		20					8		35		1.4m		37m						
HM73 	HM73-10XXXLF	7.50	6.90	3.50/5.00	0.1		6.4				3.5		22		1.65m		30m							
	HM73-10XXXLLF	7.23	6.73	3.15/3.20	0.1		1.0				6		22		1.40m		8.8m							
	HM73-12XXXLF	7.50	6.73	5.00			0.68						16				3.2m							
	HM73-S12XXXLF	7.50	6.73	4.50	1.0		1.8				6		10		4m		7.3m							
	HM73-15XXXLF	11.70	10.50	4.00/7.30	0.108		4.7				8		30		0.70m		5.00m							
	HM73-S15XXXLF	11.70	10.50	4.50			2.1						11				7.8m							
	HM73-20XXXLF	13.50	13.00	4.50	1.0		1.5				13		16		3.30m		4.40m							
	HM73-30XXXLF	14.00	13.00	5.50	0.6		4.6				9		27		1.25m		8.30m							
	HM73-31XXXLF	13.00	13.00	5.00	6.4		10				5.6		6.50		25.0m		26.0m							
	HM73-40XXXLF	14.60	13.00	6.50/7.00	0.15		3.3				15		40		0.55m		4.70m							
HM73-50XXXLF	13.50	13.00	7.50/9.00			9.1		26.5		4.5		8		10.8m		25.2m								
HM73-60XXXLF	15.00	13.00	7.30/8.20	1.0		2.02				20		30		1.2m		2.22m								

Surface Mount Inductors																						
Model Number		Size mm Max.			Inductance μH				Saturation Current @ 25C ambient		DC Resistance Ω Max.											
		L	W	Ht	0.001	0.01	0.1	1	10	100	1000	10000	0.01	0.1	1	10	100	0.1m	1m	10m	100m	1
HM76	HM76-10XXXJLF	7.30	4.78	3.23	1.0 470				0.12 2.90		30m 11.55											
	HM76-20XXXJLF	12.90	9.40	3.50	10 1000				0.05 2.00		70m 6.00											
	HM76-30XXXJLF	13.46	9.40	5.90	1.0 1000				0.30 8.50		10m 3.15											
	HM76-40XXXJLF	16.10	15.80	7.21	3.3 1000				0.65 9.80		10m 1.45											
	HM76-50XXXJLF	18.95	15.24	7.21	0.78 1000				0.56 15.00		3m 1.8											
HM77	HM77-XXXX1LF	8.64	8.64	6.35	1.1 22.7				1.0 3.4		12.5m 125m											
	HM77-XXXX2LF	11.35	11.35	8.89	5.2 167				0.94 4.8		19.1m 380m											
	HM77-XXXX3LF	14.50	14.50	8.89	3.8 672				0.72 8.0		8.3m 862m											
	HM77-XXXX4LF	15.88	15.24	9.14	1.25 1134				0.74 13.3		5.7m 1.250											
	HM77-XXXX5LF	18.40	14.90	9.14	2.8 4.2				10.9 11.4		6.9m 7.5m											
	HM77-XXXX6LF	20.40	18.03	11.30	2.7 1950				0.71 13.0		6.8m 1.700											
	HM77-XXXX7ALF	17.00	17.00	10.16	2.8 4.2				11.4 13.9		4.0m 6.2m											
HA78	HA78-10XXXLF	7.40	7.40	3.80	10 68				0.42 1		80m 520m											
	HA78-20XXXLF	7.40	7.40	5.20	10 270				0.31 1.65		55m 1.25											
	HA78-30XXXLF	7.50	7.50	3.50	10 1000				0.16 1.68		72m 6.50											
	HA78-40XXXLF	7.50	7.50	4.50	10 820				0.20 2		55m 5.20											
	HA78-45XXXLF	12.50	12.50	4.50	3.9 330				0.50 6.50		15m 990m											
	HA78-50XXXLF	12.50	12.50	6.20	1.5 1800				0.30 13		12m 3.20											
	HA78-60XXXLF	12.50	12.50	8.00	1.4 220				1.2 12		7m 370m											
HM78	HM78-10XXXLF	7.40	7.40	3.80	10 68				0.42 1		80m 520m											
	HM78-20XXXLF	7.40	7.40	5.20	10 270				0.31 1.65		55m 1.25											
	HM78-30XXXLF	7.50	7.50	3.50	10 1000				0.16 1.68		72m 6.50											
	HM78-40XXXLF	7.50	7.50	4.50	10 820				0.20 2		49m 5.20											
	HM78-45XXXLF	12.50	12.50	4.50	3.9 330				0.50 6.50		15m 990m											
	HM78-50XXXLF	12.50	12.50	6.20	1.5 1800				0.30 13		12m 3.20											
	HM78-60XXXLF	12.50	12.50	8.00	1.4 220				1.2 12		7m 370m											
HM78D (Parallel Connection)	HM78D-128XXXLF	12.50	12.50	8.05	4.7 1000				1.1 14.9		19m 1.415											
	HM78D-75XXXLF	7.70	7.70	4.80	0.33 1000				0.31 18.4		7.4m 3.89											
HM78D (Series Connection)	HM78D-128XXXLF	12.50	12.50	8.05	18.8 4800				0.56 7.7		76m 5.66											
	HM78D-75XXXLF	7.70	7.70	4.80	1.176 4036				0.16 9.2		29.5m 15.6											
HM79	HM79-10XXXLF	4.80	4.30	3.50	1.0 33				0.56 2.56		48m 540m											
	HM79-20XXXLF	6.10	5.50	4.80	1.0 220				0.35 8		15m 1.57											
	HM79-30XXXLF	8.10	7.30	3.80	10 330				0.28 1.44		80m 1.495											
	HM79-40XXXLF	8.10	7.30	5.30	10 470				0.34 2.30		70m 1.96											
	HM79-45XXXLF	8.10	7.30	6.10	2.3				9		8m											
	HM79-46XXXLF	8.10	7.30	8.10	1.5				14		5m											
	HM79-50XXXLF	10.30	9.30	4.30	10 560				0.32 2.38		53m 1.904											
HM79-60XXXLF	10.30	9.30	5.70	10 820				0.24 2.60		60m 2.55												
HM79S	HM79S-63XXXLF	6.50	5.90	3.50	10 68				0.42 1		140m 820m											
	HM79S-74XXXLF	8.15	7.35	4.90	10 270				0.33 1.65		70m 1.30											
	HM79S-105XXXLF	10.40	9.40	5.50	10 680				0.28 2.06		60m 2.55											
	HM79S-125XXXLF	13.00	12.10	5.90	10 3300				0.16 2.65		50m 4.3											

Through Hole Inductors																						
Model Number		Size mm Max.			Inductance μH				Rated Current @ 25C ambient		DC Resistance Ω Max.											
		L	W	Ht	0.001	0.01	0.1	1	10	100	1000	10000	0.01	0.1	1	10	100	0.1m	1m	10m	100m	1
HM53E	HM53E-2211XXXVLF	22	11	22	10.4 89.7				2.1A 10.5A		8.32m 30.81m											
HA55	HA55-2223XXXLF	22	23	17	7.0				40A		2m											
	HA55L-2223XXXLF	22	23	17	8.83				41A		2m											
	HA55-3023XXXLF	30	23	17	11.5 13.0				37A - 39A		2.76m 3.25m											
	HA55L-3023XXXLF	30	23	17	13.5 16.3				37A - 39A		2.76m 3.25m											
	HA55-3623XXXLF	36	23	17	20				33A		3.85m											
	HA55L-3623XXXLF	36	23	17	22 40				26A - 34A		3.85m 6.20m											
	HA55L-4523XXXLF	45	23	17	50				32A		8.35m											
HM55	HM55-12XXXLF	7.5	7.5	11	0.4				20A		1.05m											
	HM55-14XXXLF	7.5	7.5	7.5	0.4				15A		1.84m											
	HM55-21XXXLF	11	10.5	10.5	0.43 1.38				15A - 22.5A		0.81m 2.37m											
	HM55-22XXXLF	10.5	10.5	10.5	0.79				27A		1.26m											
	HM55-24XXXLF	10.5	10.5	7.5	0.28				30A		0.76m											
	HM55-26XXXLF	10.5	10.5	9	0.50				40A		0.95m											
	HM55-31XXXLF	13.8	13.5	13.5	1.4 5.6				9A - 35A		1.03m 7.67m											
HM55-32XXXLF	13.5	13.5	12.5	1.0				40A		1.31m												

Current Sense Transformers																				
Model Number	Size mm Max.			Secondary Inductance mH Min.					Primary Current A			Secondary DC Resistance Ω Max.								
	L	W	Ht	0.01	1	10	100	1000	0.01	0.1	1	10	100	0.1m	1m	10m	100m	1	10	100
HM31 	HM31-10XXXLF	23.0	15.0	20.0	5							5						700m		1.4
	HM31-20XXXLF	17.0	9.53	22.0	5				85			20						700m		4.5
	HM31-20XXXLF	17.5	9.60	22.0	5				85			20						700m		4.5
	HM31-21XXXLF	17.0	9.53	22.0	1.3				20			20						700m		4.5
	HM31-21XXXLF	17.5	9.60	22.0	1.3				20			20						700m		4.5
	HM31-30XXXLF	23.0	18.0	18.0	5				195			20						700m		11.0
HM33 	HM33-10XXXLF	8.13	7.20	5.33	0.18				3			10 max					1.00		7.36	
	HM33-H10XXXLF	8.13	7.20	5.33	0.18				3			20max					1.00		7.36	

Gate Drive Transformers																						
Model Number	Size mm Max.			Inductance mH Min.					Rated Current A			Primary DC Resistance Ω Max			Secondary DC Resistance Ω Max.							
	L	W	Ht	0.01	1	10	100	1000	0.01	1	10	100	1000	1m	10m	100m	1	10	1m	10m	100m	1
HM41 	HM41-1XXXLF	24.0	14.0	20.0					0.14 - 0.83			0.3A		60m		156m		74m		97m		
	HM41-2XXXLF	24.0	14.0	20.0					0.22			0.3A		72m				74m		100m		
HM42 	HM42-10XXXLF	8.1	6.6	5.5					0.3			-		2.0				1.0		2.0		
	HM42-20XXXLF	8.9	7.0	3.0					0.695 - 0.785			-		600m		1.0		600m		1.0		
	HM42-30XXXLF	11.68	8.64	4.1					0.98 - 1.5			-		500m		620m		500m		620m		
	HM42-40XXXLF	9.2	8.8	7.8					1.2 - 3.3			-		500m		1.6		300m		1.6		

Common Mode Chokes																				
Model Number	Size mm Max.			Inductance mH Min					Rated Current A			DC Resistance Ω Max.								
	L	W	Ht	0.01	1	10	100	0.01	0.1	1	10	100	0.1m	1m	10m	100m	1	10	100	
HM28 	HM28-20XXXLF	22.0	22.0	23.0	0.45				9			0.5		1.0				130m		1.40
	HM28-24XXXLF	26.0	26.0	24.0	0.45				36			0.5		2.0				130m		2.70
	HM28-25XXXLF	30.0	30.0	25.0					5			0.5		3.0				100m		2.60
	HM28-32XXXLF	25.0	19.0	32.0					3.2			0.5		2.0				200m		2.70
	HM28-35XXXLF	30.5	22.5	36.0					5			0.5		3.0				100m		2.60
	HM28-42XXXLF	36.5	25.0	43.0					4.7			1.5		4.0				80m		500m
HM67 	HM67-XXXXLF	9.4	6.0	3.9					(5μ)			0.2		1.0				100m		670m
	HM67-10XXXLF	5.0	3.5	3.55					(51μ)			0.2						403m		
HM85 	HM85-32XXXLF	12.7	14.7	5.6					(0.26)					3.0				15.5m		
	HM85-37XXXLF	14.4	16.4	8.3					(0.5)			0.5		2.2				50m		850m
	HM85-44XXXLF	15.0	18.2	9.3					(0.15)					5.6				10m		
	HM85-50XXXLF	18.0	19.4	10.0					(0.22)			2.0		5.6				18.5m		120m
HM86 	HM86-1XXXLF	11.8	11.8	5.2					(0.025)			0.5		5.35				(3.1m)		(350.5m)
	HM86-2XXXLF	14.3	14.3	6.0					(0.0349)			0.75		5.7				(4.63m)		(286.5m)

Inductance value in () represent typical value

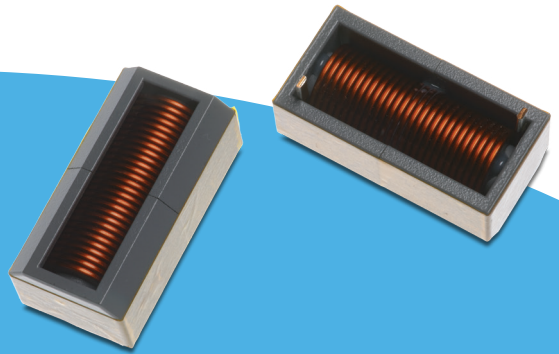
Custom Capability/Application Summary

		A. Power								
		Main Line Xfmr		Inductor		EMI Filter		Gate Drive	Current Sense	
		Power	Distrib.	Power	DC-DC	Diff	Com.	MdXfmr (MOSFET)	Ind.	Xfmr
Application Related										
Line Input (70-400V)		•						•		
Operating Frequency (10kHz-5MHz)		•	•	•	•	•		•	•	•
Digital Application										
Internal Safety Standards		•		•				•	•	•
Core: Material & Configuration										
Ferrite:	EE & ER	•	•	•				•		
	ETD	•	•							
	EFD	•	•							
	Buckle						•			
	PQ	•	•							
	POT		•							
	RM		•							
	UU							•	•	
	Slug			•		•				
	Drum			•	•	•	•			
	Toroid*		•				•	•	•	•
	Powder Iron: Toroid*, ER			•	•	•				
Package										
SMD		•	•	•	•	•	•	•		•
Through-Hole			•	•	•	•	•	•	•	•

* Also available in molypermalloy powder iron and tape wound amorphous metal materials

If your circuit performance dictates specific parameters not listed, please contact BI Technologies engineering. We would need the following to assist you in your design:

- Operating frequency
- Turns ratio
- Withstanding voltage
- Output power in watts
- Size/shape restrictions or limits
- Impedances
- Circuit topology
- Duty cycle



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