

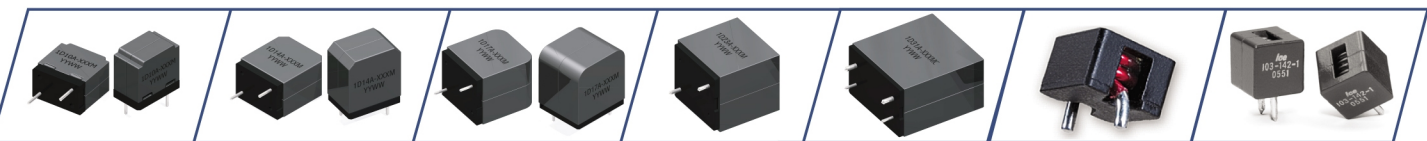
Helping Engineer the Technology of Power

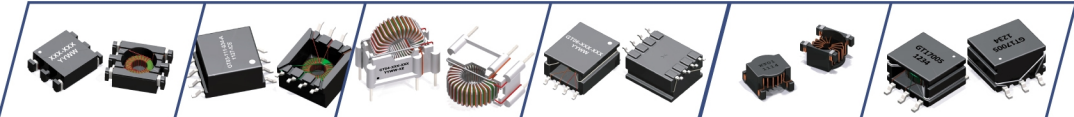
SMT High Current Inductors

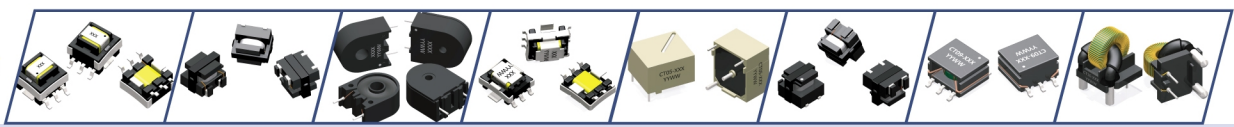


	Series	Type	Footprint (mm)	Height (mm)	Inductance Range					Current Range (A)					
					0.01	0.1	1	10	100	0	20	40	60	80	100
	LP02-1	Custom	6.5 x 7.2	5.2	50nH	250nH					18	85			
	LP02-2	Custom	7.0 x 9.0	5.0	100nH	310nH					16	65			
	LP02-3	Custom	7.0 x 10.1	5.0	90nH	350nH					16	72			
	LP02-5	Custom	13.0 x 13.5	8.0	120nH	770nH					12	100			
	LP05	ER	10.2 x 10.8	5.2	0.1μH	11μH					17	55			
	LP06	ER	13.5 x 13.8	5.5	0.1μH	7.2μH				7	75				
	LP07	E	13.0 x 14.5	6.5	0.18μH	3.9μH				16	85				
	LP08	E	8.0 x 10.92	6.22	210nH	330nH					31	45			

Visit our website for information on our line of Non-Standard High Current Inductors.

Fixed Inductors																
	Series	Type	Footprint (mm)	Height (mm)	Inductance Range (μ H)					Current Range (ADC)						
					0.1	1	10	20	30	0	10	20	30	40	50	60
	1D10A	EE	11.5 X 7.5	11			10		33	2	7.5					
	1D14A	EE	15 X 10.5	16.3			10		33	5	11					
	1D17A	EE	18.2 X 16.0	19.3			10		33	10		31				
	1D23A	EE	23 X 20	23			10		33	10.4		37.8				
	1D31A	EE	22 X 7.5	33			10	22					31		50	
	IO2	E	13.2 x 13.2	9.2	0.22	1.8					20					60
	IO3	E	12.8 x 12.8	6.7		1.4	5.6				14				50	

Gate Drive Transformers																	
	Series	Type	Footprint (mm)	Height (mm)	Mounting	Inductance Range (μH)					E-T Product Range (V-us)					Hi-Pot (Vdc)	
						1	10	100	1000	10000	0	100	200	300	400		
	GT02	Toroid	6.8 x 8.6	3.0	SMT		21.6	785				6.9	19			1500	
	GT03	Toroid	16.0 x 10.7	6.8	SMT			162	5100				34.6	110			1500 & 3750
	GT04	Toroid	12.19 x 20.57	19.05	THT			39	8900				63	378			4500
	GT06	Toroid	16.0 x 11.0	7.5	SMT			162	2000				49	100			1500 & 3750
	GT07	Toroid	12.2 x 10.0	6.35	SMT			100	340				13	45			6250 & 3750
	XT	Toroid	5.11 x 5.67	3.25	SMT			39	140				3.75	12.0			120-2350
	GT17005	Toroid	12.2 x 10.0	6.35	SMT				50					70.6		3750	

Current Sense Transformers															
	Series	Type	Footprint (mm)	Height (mm)	Mounting	Turns Ratio	Frequency Range	Current Rating (A)							
								0	50	100	150	200			
	CT01	EE	8.2 x 7.0	4.83	SMT	1:20 - 1:200	10 - 500 kHz	0.5	10						
	CT02	EE	6.4 x 6.0	4.6	SMT	1:50 - 1:250	10 - 500 kHz	0.5	18						
	CT03	Toroid	10.0 x 18.0	21	THT	1:50 - 1:1000	1 - 200 kHz	0.5	25						
	CT04	EE	8.13 X 6.9	4.1	SMT	1:50- 1:125	10 - 500 kHz	0.5	20						
	CT05	Toroid	17.6 x 15.3	15	THT	1:50 - 1:1000	10 - 500 kHz	0.5	25						
	CT06	EE	6.5 x 6.75	5	THT	1:50 - 1:250	10 - 500 kHz	0.5	18						
	CT07	Toroid	23.3 x 12.7	26.6	THT	1:1000	40 Hz - 200 kHz	0.5						200	
	CT08	Toroid	16.8 x 11.2	20.1	THT	1:1200	40 Hz - 200 kHz	0.5	50						
	CT09	Toroid	12.2 x 10.0	6.35	SMT	1:20 - 1:80	10 - 800 kHz	0.5	6						
	CT10	Toroid	14.5 x 13.0	15.8	THT	1:100 - 1:400	10 - 400 kHz	0.5	40						

High Power Reactors



R01 Series

- Suitable for frequencies up to 20kHz
- Energy storage of up to 10,300 μ J
- Distributed gap to minimize EMI
- Can be connected in series or parallel

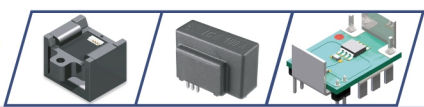


Part Number	L w/ DC (μ H) ¹	L w/o DC (μ H) ²	Idc (A) ³	DCR (m Ω Ref)
R01-500	50.0	83.0	20.3	2.00
R01-250	25.0	42.0	24.0	1.00
R01-125	12.5	21.0	28.7	0.50
R01-062	6.25	10.4	34.2	0.25
R01-030	3.00	5.0	41.0	0.12

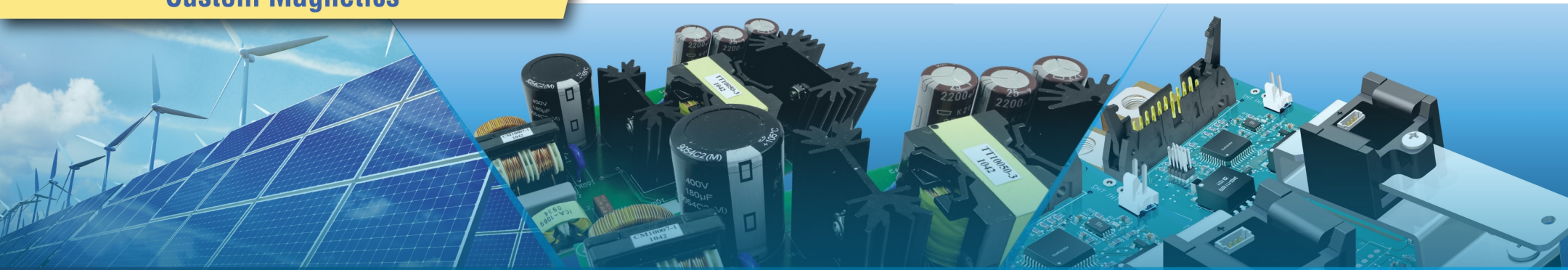
NOTES: 1. Inductance at MAX Idc

2. Inductance at zero Idc

3. Rated Idc for 40% drop in L

Current Sensors															
	Series	Type	Size (mm)	Mounting	Response Time	Accuracy	Current Range (A)								
							0	100	200	300	400	500	600	700	
	ISB-XXX-A-80X	Open	26.4 X 28.0 X 19.8	Busbar	3 μ Sec	0.6 %	50							670	
	ISDXXX-P15	Closed	33.0 X 21.2 X 14.8	THT	1 μ Sec	0.25 %	15	150							
	ISE-XXX-A-80X	Open	25.9 X 18.0 X 11.5	THT	3 μ Sec	0.6 %	50							670	

Custom Magnetics



With over 30 years in magnetic design and manufacturing, ICE can support your custom design needs. Whether it is adapting a standard part or a complete custom solution, ICE has the experience to meet your specifications on time and at a low cost.

- EMI Filter Magnetics
- Power Xfmrs (1W to 5kW)
- Current Sense Xfmrs
- Gate Drive Xfmrs
- Line Reactors
- Low and High Frequency

Contact us today to discuss your custom needs!

NEW

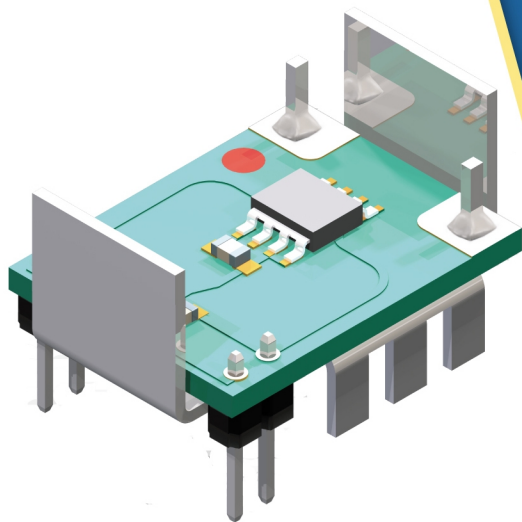
Current Sense Xfmr

Gate Drive Xfmr

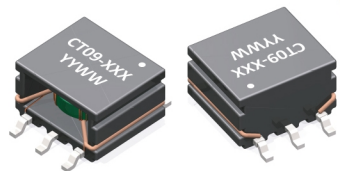
Class D Inductor

ISE Series

- Small Size
- High Accuracy
- Programmable
- Fast Response Time
- Bandwidth up to 200kHz
- PCB Mountable Design

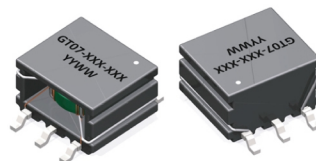


CT09 Series



SMT Current Sense Xfmr
with High Creepage

GT07 Series



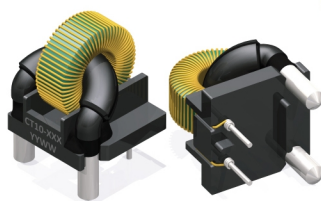
SMT Gate Drive Xfmr
with High Creepage

1D10A Series



Small Footprint for High
Density Applications

CT10 Series



TH Current Sense Xfmr
Rated up to 80A

GT17005



Designed to Work with TI
UCC5390SCD & SN6505B

1D31A Series



Designed for High Power
Audio Applications

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cust.serv@icecomp.com



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