# mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## High Ratio Wire Lead Transformers

CR Magnetics **CR8400** Series of Wire Lead Current Transformers are available in a wide range of sizes and materials to meet any AC current sensing needs. Our **General Purpose** designs are made from the highest quality silicon steel cores available, and meet most of the common AC current measurement needs. Our **Revenue Grade** CTs (-N) are made from a nickel alloy core which provides the most linear response over temperature and current level. A line of **Ground Fault** (-G) CTs for measuring low AC currents including electrical shields. The **High Frequency** (-F) products are designed for high frequency applications such as high frequency power supplies and motor drives.

GENERAL PURPOSE CURRENT TRANSFORMERS							
Part Number	l <sub>r</sub>	Vmax RMS	Te (typ.)	DCR $\Omega$	Frequency		
CR8401-1000	10	2.2	1009	49	20 - 1 KHz		
CR8410-1000	20	3.1	1012	41	20 - 1 KHz		
CR8420-1000	50	5.2	1018	22	20 - 1 KHz		
CR8420-2000	75	9.0	1983	90	20 - 1 KHz		
CR8448-1000	30	6.3	990	26	20 - 1 KHz		
CR8448-2000	50	13.7	2046	106	20 - 1 KHz		
CR8449-1000	50	11.6	1016	35	20 - 1 KHz		
CR8449-2000	75	23	2046	150	20 - 1 KHz		
CR8450-1000	100	16.5	1021	21	20 - 1 KHz		
CR8450-2000	200	32	2037	73	20 - 1 KHz		

## **REVENUE GRADE CURRENT TRANSFORMERS**

Part Number	۱ <sub>۳</sub>	Vmax RMS	Te (typ.)	DCR $\Omega$	Frequency
CR8448-2500-N	40	6.6	2510	134	20 - 1 KHz
CR8449-2500-N	50	10.0	2490	187	20 - 1 KHz
CR8450-2500-N	75	12.0	2512	143	20 - 1 KHz
CR8459-2000-N	200	11.5	2011	74	20 - 1 KHz

## **GROUND FAULT CURRENT TRANSFORMERS**

Part Number	l <sub>r</sub>	Vmax RMS	Te (typ.)	DCR $\Omega$	Frequency
CR8401-1000-G	4	0.6	1005	49	20 - 1 KHz
CR8410-1000-G	7	0.8	1007	38	20 - 1 KHz
CR8420-1000-G	20	1.4	1011	44	20 - 1 KHz

#### HIGH FREQUENCY CURRENT TRANSFORMERS

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Part Number	'r	Vmax RMS	Te (typ.)	DCR $\Omega$	Frequency
CR8448-2000-F	50	3.9	2015	90	20 - 200 KHz
CR8449-2000-F	75	7.4	2017	109	20 - 200 KHz
CR8450-2000-F	100	8.5	2020	63	20 - 200 KHz
- Mavie	mum Innut Current to k	a linearly concod	Mavimum V	altage (Caturation) (T)	uill douglon

, = Maximum Input Current to be linearly sensed **V**max = Maximum Voltage (Saturation) CI will deve **T\_\_** = Effective turns ratio including losses (All Specifications tested at 60 Hz)

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Part Number	A	B	C	D	E	Part Number	A	B	C	D	E
Prefix	min	max	max	max	Тур	Prefix	min	max	max	max	Тур
CR8401	6.99	17.53	22.35	8.26	57.8	7.8 CR8449	9.14	26.0	31.8	17.0	100
CK04VI		CR0447	.354	1.02	1.25	.67	3.94				
CR8410	9.0	22	27.8	8.20	73	(RX450)	13.08	36.83	43.18	13.97	100
CK04IV	.35	.87	1.09	.323	2.87		.515	1.45	1.70	.55	3.94
CR8420	15.0	30.0	36.0	9.2	100	CR8459	19	48	60	17.5	200
<b>CK042</b> U	.59	1.18	1.41	.36	3.94	CK0457	.75	1.89	2.36	.67	7.88
CR8448	7.11	23.42	29.46	11.05	100						
LK0440	.280	.92	1.16	.435	3.94						



## **CR8400 SERIES**



## Applications

Motor Load Measurement Power Meters High Frequency Current Sensing Ground Fault Sensing

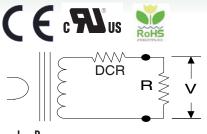
### Features

High Ratio Standard Footprints

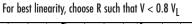
### **Specifications**

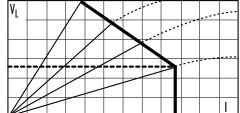
Maximum Continuous Primary Current	4 X Ir
Insulation Voltage	3500 Vac/1min
Storage Temp.	-45°C thru +85 °C
Operating Temp. General Purpose & Nickel	-40°C thru +85 °C
Operating Temp. High Frequency	-40°C thru +65 °C

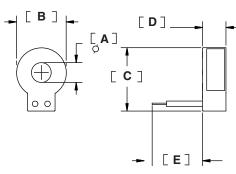
## **Regulatory Agencies**











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