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** (Ts (-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) (Ts 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.

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GENERAL PURPOSE CURRENT TRANSFORMERS											
Part Number	l _p	Vmax RMS	Te (typ.)	DCR Ω	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	l _y	Vmax RMS	Te (typ.)	DCR Ω	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 _y	Vmax RMS	Te (typ.)	DCR Ω	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						
	IIGH FREOI	UENCY CUR	RENT TRAI	NSFORMER	S						
Part Number	I _p	Vmax RMS	Te (typ.)	DCR Ω	Frequency						
			Te (typ.) 2015	DCR Ω 90	Frequency 20 - 200 KHz						
Part Number	I _p	Vmax RMS			<u> </u>						

T_ = Effective turns ratio including losses (All Specifications tested at 60 Hz)

PACKAGE DIMENSIONS AND OUTLINE (mm/in)

Part Number	A	В	•	ען	6	Part Number	A	D		ע ו	
Prefix	min	max	max	max	Тур	Prefix	min	max	max	max	Тур
CR8401	6.99	17.53	22.35	8.26	57.79	CR8449	9.14	26.0	31.8	17.0	100
CKO401	.275	.690	.880	.325	2.275	CKO447	.354	1.02	1.25	.67	3.94
CR8410	9.0	22	27.8	8.20	73	CR8450	13.08	36.83	43.18	13.97	100
	.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
CR0420	.59	1.18	1.41	.36	3.94	CK0437	.75	1.89	2.36	.67	7.88
CD2442	7.11	23.42	29.46	11.05	100						





Applications

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

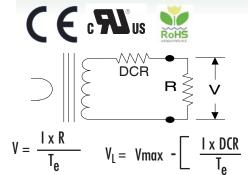
Features

High Ratio **Standard Footprints**

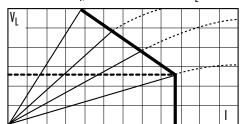
Specifications

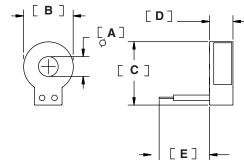
Maximum Continuous Primary Current 4 X Ir 3500 Vac/1min Insulation Voltage Storage Temp. -45°C thru +85 °C Operating Temp. General Purpose & Nickel -40°C thru +85 °C -40°C thru +65 °C Operating Temp. High Frequency

Regulatory Agencies



For best linearity, choose R such that $V < 0.8 \ V_{I}$







3500 Scarlet Oak Blvd. St. Louis MO USA 63122 V: 636-343-8518 F: 636-343-5119