

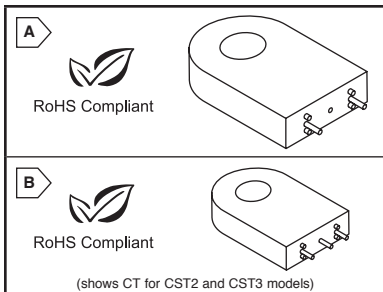
TRIAD Transformers and Inductors

TRIAD

TRIAD CURRENT SENSE TRANSFORMERS

Features for CST2 & CST3:

- Derate ET product by 32% for 50kHz, 52% for 100 Hz and 50% for unidirectional operation
- Rated primary current renders approximately 40°C temperature rise
- CST206 models have maximum recommended terminating resistance of 1 ohm per turn



CST2 & CST3 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Pri. Amps RMS	Turns	Min. Inductance	Max. DCR (Ω)	ET V _μ Sec Ref. 20 kHz	Price Each	
Mfr.	Mfr. Part No.							1	10
553	CST206-1A	A	110.0	100	14.0mH	.58	2000	6.11	5.20
553	CST206-2A	A	80.0	200	56.0mH	3.5	4000	6.11	5.20
553	CST206-3A	A	70.0	300	130.0mH	12.40	6000	6.11	5.20
553	CST306-1A	B	35.0	50	3.5mH	.34	500	4.11	3.50
553	CST306-1T	B	35.0	50 CT	3.5mH	.58	500	4.67	3.97
553	CST306-2A	B	25.0	100	14.0mH	1.55	1000	4.11	3.50
553	CST306-3A	B	25.0	200	55.0mH	3.75	2000	4.11	3.50
553	CST306-3T	B	25.0	200 CT	55.0mH	3.75	2000	4.67	3.97

CST-10 Series

For quantities greater than listed, call for quote.

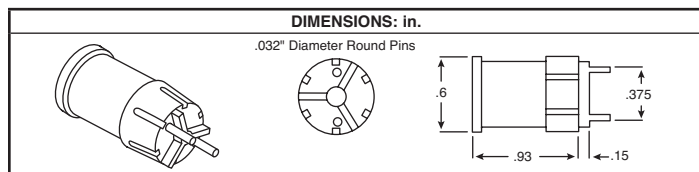
MOUSER STOCK NO.		Fig.	Pri. Amps	Turn Ratio	Terminating Resistor		Nominal DCR (Ω)	Price Each	
Mfr.	Mfr. Part No.				Ohms	Watt		1	10
553	CST-1005	B	5	1000:1	100	0.0025	40	6.11	5.50
553	CST-1010	B	10	1000:1	100	0.0100	40	6.11	5.50
553	CST-1020	B	20	1000:1	100	0.0400	40	6.11	5.50
553	CST-1025	B	25	1000:1	100	0.0630	46	6.88	6.20
553	CST-1030	B	30	1000:1	100	0.0900	46	8.74	7.88

TRIAD ROD CORE INDUCTORS

Triad rod core inductors provide cost effective energy storage. By conditioning the output signal, the inductor smoothes out the current waveform to provide a more stable current. These low cost inductors are designed to be compatible with automated P.C.B. installation.

Features:

- Rated current 10 amps per pin maximum
- Rated current renders @ 40°C temp. rise



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		10% Inductance	DC Current (A)	± 15% DC Resistance	Price Each	
Mfr.	Mfr. Part No.				1	10
553	RC-5	915.0μH	.625	1.000Ω	2.71	2.31
553	RC-8	250.0μH	1.250	.210Ω	2.71	2.31
553	RC-9	200.0μH	1.600	.180Ω	2.71	2.31
553	RC-10	100.0μH	2.000	.098Ω	2.71	2.31
553	RC-11	75.0μH	2.500	.070Ω	2.71	2.31

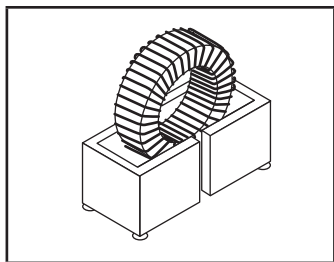
TRIAD TOROIDAL FILTER INDUCTORS

Features:

- Nominal inductance values are typically 10% higher than minimal rating
- Biased inductance measure at rated DC amps
- Operation at rated current yields @ 40°C rise over 20°C ambient



RoHS Compliant



For quantities greater than listed, call for quote.

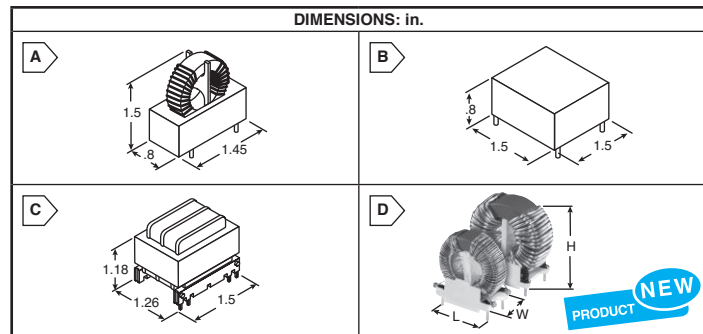
MOUSER STOCK NO.		Min. Inductance (μH)		Rated DC Amps	Max. DCR (mΩ)	Price Each	
Mfr.	Mfr. Part No.	No Bias	At Bias			1	10
553	FIT44-1	18.85	12.72	2.8	44.8	1.96	1.66
553	FIT44-4	8.06	5.22	4.8	15.9	1.96	1.66
553	FIT50-1	47.40	29.00	2.8	78.9	2.31	1.97
553	FIT50-2	35.48	23.77	3.4	57.8	2.31	1.97
553	FIT50-7	8.86	4.80	8.1	11.0	2.31	1.97
553	FIT68-1	89.50	57.99	2.8	108.0	2.80	2.38
553	FIT68-4	43.30	26.63	4.8	42.4	2.80	2.38
553	FIT68-6	24.31	13.56	6.8	20.2	2.80	2.38
553	FIT80-1	128.00	74.04	4.0	95.2	3.47	2.95
553	FIT80-6	38.07	18.11	9.7	17.0	3.47	2.95
553	FIT106-6	70.05	35.30	9.7	24.0	4.31	3.67

TRIAD COMMON MODE INDUCTORS

Highly dependable Triad common mode EMI suppression inductors are used in various types of power supplies to eliminate noise common to all lines. These units also provide effective differential mode filtering. Meeting VDE, IEC, UL, and CSA requirements, they minimize AC line transmitted interference often created by high frequency switching power supplies.

Features:

- Hi-Pot tested at 2500VRMS
- DC resistance at 20°C ± 10%
- Current rating for approximately 40°C temperature rise
- Inductances are minimum measured at 10 Gauss



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT908-V1	A	2.0mH	7.50	.020	25.0μH	4.78	4.06
553	CMT908-V2	A	4.0mH	5.20	.040	45.0μH	4.78	4.06
553	CMT908V3	A	8.0mH	3.20	.120	90.0μH	4.78	4.06
553	CMT908-V4	A	16.0mH	2.60	.160	180.0μH	4.78	4.06
553	CMT908H1	B	2.0mH	7.50	.020	25.0μH	4.78	4.06
553	CME375-2	C	6.9mH	4.40	.077	70.0μH	7.74	6.57

For quantities greater than listed, call for quote.

Dimensions: A (L) 0.76 X C (W) 0.600 X E (H) 0.90		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT-8101	D	4.0	1.7	0.173	-	5.62	4.22
553	CMT-8102	D	2.5	2.4	0.09	-	5.62	4.22
553	CMT-8103	D	1.0	4.8	0.022	-	5.62	4.22

For quantities greater than listed, call for quote.

Dimensions: A (L) 1.20 X C (W) 0.800 X E (H) 1.20		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT-8104	D	10.0	2.4	0.17	-	7.79	6.62
553	CMT-8105	D	7.0	2.8	0.12	-	7.79	6.62
553	CMT-8106	D	5.0	3.7	0.07	-	7.79	6.62
553	CMT-8107	D	2.0	6.6	0.022	-	7.79	6.62
553	CMT-8108	D	1.0	10.0	0.01	-	7.79	6.62

For quantities greater than listed, call for quote.

Dimensions: A (L) 1.35 X C (W) 0.900 X E (H) 1.45		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT-8109	D	30.0	2.3	0.33	-	10.56	8.98
553	CMT-8110	D	20.0	2.9	0.21	-	10.56	8.98
553	CMT-8111	D	12.0	4.0	0.11	-	10.56	8.98
553	CMT-8112	D	8.0	5.6	0.055	-	10.56	8.98

For quantities greater than listed, call for quote.

Dimensions: A (L) 1.45 X C (W) 0.900 X E (H) 1.50		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT8113	D	5.0	8.9	0.022	-	10.56	8.98
553	CMT-8114	D	2.5	12.5	0.011	-	10.56	8.98

For quantities greater than listed, call for quote.

Dimensions: A (L) 1.50 X C (W) 0.900 X E (H) 1.53		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT-8115	D	1.2	16.0	0.006	-	10.56	8.98

For quantities greater than listed, call for quote.

Dimensions: A (L) 1.55 X C (W) 0.900 X E (H) 1.53		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT-8116	D	50.0	2.3	0.45	-	10.96	9.86
553	CMT-8117	D	36.0	2.9	0.30	-	10.96	9.86

For quantities greater than listed, call for quote.

Dimensions: A (L) 1.65 X C (W) 0.900 X E (H) 1.65		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT-8118	D	7.3	9.3	0.032	-	10.96	9.86

For quantities greater than listed, call for quote.

Dimensions: A (L) 1.70 X C (W) 1.20 X E (H) 1.65		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553	CMT-8119	D	4.0	14.5	0.012	-	10.96	9.86
553	CMT-8120	D	2.4	17.0	0.008	-	10.96	9.86
553	CMT-8121	D	1.0	20.0	0.007	-	10.96	9.86