

# ICE COMPONENTS TRANSFORMERS



RoHS compliant This product is RoHS compliant.

NEW SUPPLIER

## CT02 SERIES SMT CURRENT SENSE TRANSFORMERS

- Features:**
- Smallest Footprint
  - Hi-Pot tested at 1,500VAC
  - Current Ratings to 18A
  - Patent Pending
- Applications:**
- DC/DC Converters
  - AC/DC Converters
  - POL Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	Turns Ratio	E-T Product (V-μs)	Frequency Range (MHz)	Ls Min. (mH)	Rs Max (Ω)	Price Each			
								1	50	100	500
911-CT02-050	CT02-050	A	1:50	4.0	0.10-2.0	0.44	0.85	2.12	1.63	1.48	1.35
911-CT02-100	CT02-100	A	1:100	8.0	0.10-2.0	1.8	4.8	2.12	1.63	1.48	1.35
911-CT02-150	CT02-150	A	1:150	12.0	0.10-2.0	4.0	15.0	2.20	1.69	1.54	1.40
911-CT02-200	CT02-200	A	1:200	16.0	0.10-1.0	7.1	25.0	2.21	1.70	1.54	1.40
911-CT02-250	CT02-250	A	1:250	20.0	0.10-1.0	11.1	37.2	2.21	1.70	1.54	1.40

## CT04 SERIES SMT CURRENT SENSE TRANSFORMERS

- Features:**
- Low Profile
  - Full Selection of Turns Ratios
  - Primary Rated for 20A
  - Frequency Range up to 1MHz
  - Suitable for Pick And Place Applications
  - Withstands Solder Reflow
- Applications:**
- DC/DC Converters
  - AC/DC Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	Turns Ratio	Ls Min. (μH)	Rs Max (Ω)	Termination Resistor (Ω)	Price Each			
							1	50	100	500
911-CT04-050	CT04-050	B	1:50	352	0.9	2.5	2.13	1.64	1.49	1.35
911-CT04-070	CT04-070	B	1:70	690	1.7	3.5	2.19	1.68	1.53	1.40
911-CT04-100	CT04-100	B	1:100	1400	3.0	5.0	2.27	1.74	1.59	1.45
911-CT04-125	CT04-125	B	1:125	2200	5.0	6.25	2.33	1.79	1.62	1.47

## CT05 SERIES CURRENT SENSE TRANSFORMERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	Turns Ratio (Np:Ns)	Sec. Ls (mH, min.)	Sec. DCR (Ω, max.)	ET	Price Each			
							1	50	100	500
911-CT05-050	CT05-050	C	1:50	4.7	0.5	175	2.88	2.21	2.00	1.81
911-CT05-100	CT05-100	C	1:100	18	2	350	3.08	2.36	2.14	1.94
911-CT05-500	CT05-500	C	1:500	470	16	1750	3.75	2.88	2.60	2.36
911-CT05-1000	CT05-1000	C	1:1000	1900	50	3500	4.69	3.61	3.26	2.96

## CT06 SERIES CURRENT SENSE TRANSFORMERS

- Features:**
- Small Footprint
  - Hi-Pot tested at 1,500 VAC
  - Current Ratings to 18A
  - Patent Pending
  - Meets basic creepage
- Applications:**
- DC/DC Converters
  - AC/DC Converters
  - POL Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	Turns Ratio (Np:Ns)	Sec. Ls (mH, min.)	Sec. DCR (Ω, max.)	ET	Price Each			
							1	50	100	500
911-CT06-050	CT06-050	D	1:50	0.35	1.3	27	2.29	1.75	1.59	1.44
911-CT06-100	CT06-100	D	1:100	1.4	4.8	54	2.29	1.75	1.59	1.44
911-CT06-150	CT06-150	D	1:150	3.15	15.2	813	2.33	1.79	1.62	1.47
911-CT06-200	CT06-200	D	1:200	5.6	25	110	2.33	1.79	1.62	1.47
911-CT06-250	CT06-250	D	1:250	8.78	37.2	135	2.33	1.79	1.62	1.47

## CT07 SERIES CURRENT SENSE TRANSFORMERS

- Features:**
- Rated to 200A
  - PCB Mount
  - Encapsulated Construction
  - 40Hz to 200kHz Freq. Range
  - Patent Pending
  - Meets basic creepage
- Applications:**
- Switching power supplies
  - Motor controls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	Turns Ratio (Np:Ns)	Sec. Ls (mH, min.)	Sec. DCR (Ω, max.)	ET	Price Each			
							1	50	100	500
911-CT07-1000	CT07-1000	E	1:1000	8	26	7400	7.42	5.70	5.16	4.68

## CT08 SERIES CURRENT SENSE TRANSFORMERS

- Features:**
- Rated up to 50A
  - PCB Mount
  - Encapsulated Construction
  - 40Hz to 200kHz Freq. Range
- Applications:**
- Switching power supplies
  - Motor controls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	Turns Ratio (Np:Ns)	Sec. Ls (mH, min.)	Sec. DCR (Ω, max.)	ET	Price Each			
							1	50	100	500
911-CT08-1200	CT08-1200	F	1:1200	10	40	3700	6.91	5.30	4.80	4.36

## X-COIL SERIES GATE AND SIGNAL TRANSFORMERS

- Features:**
- Small Footprint
  - Low Profile
  - Flat Top Surface Suitable for Pick-and-Place
  - RoHS Compliant
- Applications:**
- Gate Drive Transformer
  - Isolated Pulse and Signal Transformers
  - DC/DC and AC/DC Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	Turns Ratio	Ls Min. (μH)	L LKG Max. (μH)	DCR Max. (Ω)	E-T (V-μs)	Hi-Pot (Vdc)	Price Each			
									1	50	100	500
911-XT01	XT01	G	1:1	100	150	320	10.0	2250	2.21	1.70	1.54	1.40
911-XT02	XT02	G	1:1	140	150	350	12.8	120	2.21	1.70	1.54	1.40
911-XT03	XT03	G	1:1	31	600	120	3.75	2350	1.93	1.48	1.34	1.22
911-XT04	XT04	G	1:1	86	100	140	6.25	2350	2.33	1.79	1.62	1.47

## GT02 SERIES SMT GATE DRIVE TRANSFORMERS

- Features:**
- Low Profile - 3mm
  - Designed for Frequencies from 75kHz to over 1MHz
  - Suitable for Pick and Place applications
- Applications:**
- Gate Drive Transformer
  - AC/DC and DC/DC Converters
  - Pulse/Signal Transformers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	DCR (mΩ)	E-T Product (V-μs)	Hi-Pot (Vdc)	Inductance (μH)	Leakage Inductance (μH)	Schematic	Turns Ratio	Price Each			
										1	50	100	500
911-GT02-110-019	GT02-110-019	H	600:520	19.4	1500	785	0.36	A	1:1	2.33	1.79	1.63	1.47

## GT03 SERIES SMT GATE DRIVE TRANSFORMERS

- Features:**
- Meets medical VDE creepage/clearance
  - Optimized for frequencies from 100kHz to 350kHz
- Applications:**
- Gate Drive Transformer
  - AC/DC and DC/DC Converters
  - Signal Transformer Across Isolation Barrier

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ICE Part No.	Fig.	DCR (mΩ)	Drive Inductance (μH)	E-T Product (V-μs)	Hi-Pot (Vdc)	Leakage Inductance (μH)	Turns Ratio	Price Each			
									1	50	100	500
911-GT03-111-034-B	GT03-111-034-B	I	600:600	882	34.6	3750	360	1:1:1	2.37	1.82	1.65	1.50
911-GT03-111-052-A	GT03-111-052-A	I	850:850	1985	51.9	1500	370	1:1:1	3.47	2.66	2.41	2.19
911-GT03-111-069-B	GT03-111-069-B	I	1430:1300	2000	69	3750	470	1:1:1	2.56	1.97	1.79	1.63
911-GT03-111-110-A	GT03-111-110-A	I	1900:1900	5100	110	1500	550	1:1:1	2.28	1.75	1.59	1.44
911-GT03-122-055-A	GT03-122-055-A	I	400:900	365	55.6	1500	300	1:2.5:2.5	2.28	1.75	1.59	1.44

**DIMENSIONS: mm**

**A**

**B**

**C**

**D**

**E**

**F**

**G**

**H**

**I**

Inductors

ICE Components

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