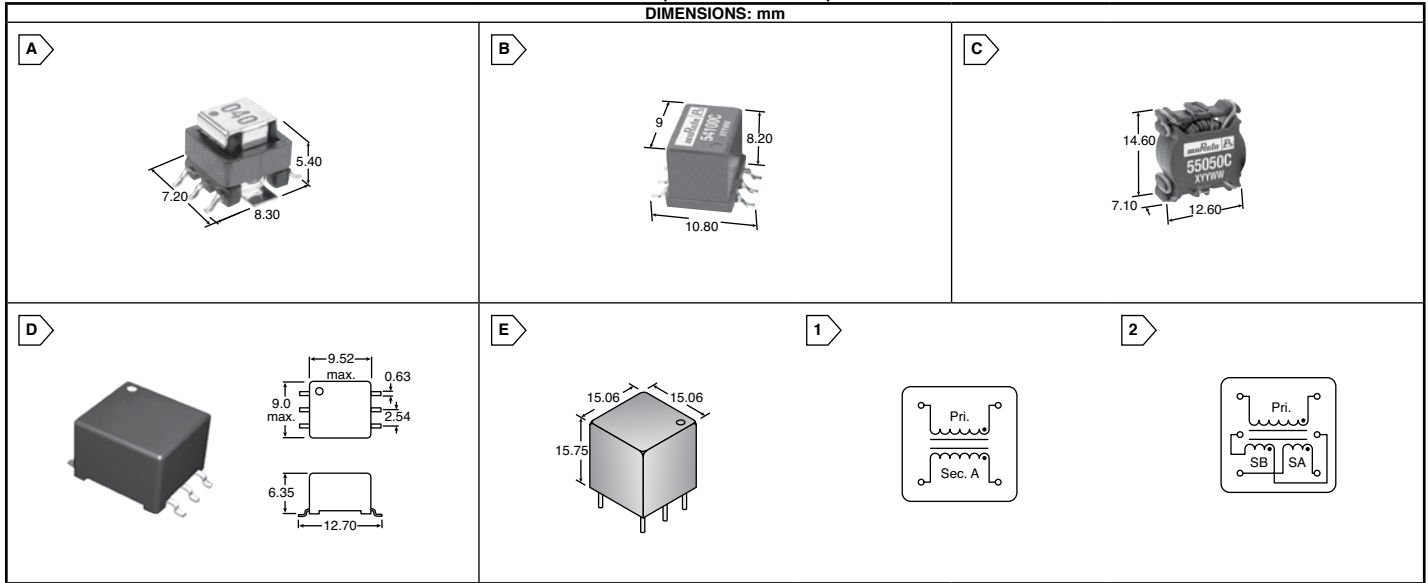


# MURATA POWER SOLUTIONS Transformers



RoHS Compliant This product is RoHS compliant.  
DIMENSIONS: mm



## 10-15A CURRENT SENSING TRANSFORMERS

- Features:**
- 50kHz-500kHz frequency range
  - UL94 V-0 package materials
  - Surface mount
  - J-STD-020C reflow

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Turns Ratio	Min. Ind (mH)	Max. Sec. Prim. mΩ	Max. DC Resistance Sec. Ω	Price Each			
							1	5	10	25
580-53060C	53060C	A	1:60	0.72	7.0	2.20	1.60	1.51	1.39	1.30
580-53100C	53100C	A	1:100	2.00	7.0	5.60	1.14	1.08	1.01	.96
580-53150C	53150C	A	1:150	4.50	7.0	17.50	1.60	1.51	1.39	1.30
580-53200C	53200C	A	1:200	8.00	7.0	34.00	1.14	1.08	1.01	.96
580-54050C	54050C	B	1:1:50	3.80	7.0	0.50	1.54	1.49	1.37	1.30
580-54100C	54100C	B	1:1:100	14.80	7.0	3.20	1.84	1.78	1.63	1.55
580-54200C	54200C	B	1:1:200	60.00	7.0	6.60	2.21	2.14	1.97	1.88
580-55050C	55050C	C	1:1:50	3.80	2.3	0.35	1.50	1.45	1.40	1.35
580-55100C	55100C	C	1:1:100	14.80	2.3	0.85	1.77	1.72	1.66	1.61
580-55200C	55200C	C	1:1:200	60.00	2.3	3.60	2.14	2.09	2.01	1.96

## DA100J SERIES DIGITAL AUDIO TRANSFORMERS

- Features:**
- Industry-standard pinout
  - Compatible with leading chip sets
  - Toroidal construction
  - 2kVrms isolation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Turns Ratio	Prim. Ind. (μH)	Volt-time Product (VμS)	Leakage Ind. Max. (μH)	Price Each			
							1	5	10	25
580-DA101JC	DA101JC	D	1:1	1.00-2.20	15	0.36	1.57	1.56	1.55	1.53
580-DA102JC	DA102JC	D	1:1	1.90-4.00	20	0.49	1.57	1.56	1.55	1.53
580-DA103JC	DA103JC	D	1:1	3.20-8.50	28	0.91	1.57	1.56	1.55	1.53

## 78250J SERIES CONVERTER SMT TRANSFORMERS

The 78250J Series of converter transformers are specifically designed for use with Maxim Integrated chip sets to provide isolated RS232 interfaces. Carefully controlled turns ratios ensure consistent performance whilst a toroidal construction minimizes EMI.

- Features:**
- J-STD-020D reflow
  - UL 94V-0 package materials
  - Maxim's Integrated's MAX250/MAX251 compatible

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Prim. Ind. (mH)	Leakage Ind. Max. (μH)	RDC Max. (Ω)	Isolation Voltage	Price Each			
							1	5	10	25
580-78250JC	78250JC	D	2.5	3.0	2.0	1.5kVrms	2.66	2.64	2.62	2.59
580-78250JVC	78250JVC	D	2.5	40	1.8	4.0kVrms	3.43	3.42	3.40	3.35

## 78253J SERIES CONVERTER TRANSFORMERS

The 78253J Series of converter transformers are designed for use with the MAX253 chip set to provide isolated power supplies. A centre tapped secondary winding allows for full bridge, half bridge or voltage doubling.

- Features:**
- J-STD-020D reflow
  - Operating Temperature: -40°C to 85°C
  - Frequency range to 500kHz
  - Maxim Integrated's MAX253 compatible

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Voltage	Output Voltage	Output Current Max. (mA)	Isolation Voltage	Price Each			
							1	5	10	25
580-78253/35JC	78253/35JC	D	3.3	5.0	100	1500	2.66	2.64	2.62	2.59
580-78253/35JVC	78253/35JVC	D	3.3	5.0	100	4000	3.43	3.42	3.40	3.35
580-78253/55JC	78253/55JC	D	5.0	5.0	200	1500	2.66	2.64	2.62	2.59
580-78253/55JVC	78253/55JVC	D	5.0	5.0	200	4000	3.43	3.42	3.40	3.35

## 786 SERIES PULSE TRANSFORMERS

- Features:**
- Inductance to 10mH
  - Fully encapsulated
  - Toroidal construction
  - Isolation to 1kVrms

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Turns Ratio	Prim. Ind. Min. (μH)	Volt-time Product (VμS)	Leakage Ind. Typ. (μH)	Price Each			
							1	5	10	25
580-78601/4JC	78601/4JC	A	1:1	58	4	0.19	1.57	1.56	1.55	1.53
580-78601/3JC	78601/3JC	A	1:1	150	6	0.20	1.57	1.56	1.55	1.53
580-78601/2JC	78601/2JC	A	1:1	350	10	0.25	1.57	1.56	1.55	1.53
580-78601/8JC	78601/8JC	A	1:1	850	15	0.29	1.57	1.56	1.55	1.53
580-78601/1JC	78601/1JC	A	1:1	2000	20	0.47	1.57	1.56	1.55	1.53
580-78601/16JC	78601/16JC	A	1:1	3650	28	0.69	1.57	1.56	1.55	1.53
580-78601/9JC	78601/9JC	A	1:1	10000	56	0.93	1.57	1.56	1.55	1.53
580-78602/4JC	78602/4JC	A	1:1:1	53	4	0.11	1.57	1.56	1.55	1.53
580-78602/3JC	78602/3JC	A	1:1:1	180	6	0.17	1.57	1.56	1.55	1.53
580-78602/2JC	78602/2JC	A	1:1:1	380	10	0.27	1.57	1.56	1.55	1.53
580-78602/8JC	78602/8JC	A	1:1:1	970	15	0.37	1.57	1.56	1.55	1.53
580-78602/1JC	78602/1JC	A	1:1:1	1890	20	0.65	1.57	1.56	1.55	1.53
580-78602/16JC	78602/16JC	A	1:1:1	3350	28	0.69	1.57	1.56	1.55	1.53
580-78602/9JC	78602/9JC	A	1:1:1	10000	56	0.71	1.57	1.56	1.55	1.53
580-78604/4JC	78604/4JC	A	2:1	65	4	0.41	1.57	1.56	1.55	1.53
580-78604/3JC	78604/3JC	A	2:1	160	6	0.49	1.57	1.56	1.55	1.53
580-78604/2JC	78604/2JC	A	2:1	500	10	0.65	1.57	1.56	1.55	1.53
580-78604/8JC	78604/8JC	A	2:1	850	15	0.76	1.57	1.56	1.55	1.53
580-78604/1JC	78604/1JC	A	2:1	1840	20	0.99	1.57	1.56	1.55	1.53
580-78604/16JC	78604/16JC	A	2:1	3300	28	1.61	1.57	1.56	1.55	1.53
580-78604/9JC	78604/9JC	A	2:1	10000	56	2.30	1.57	1.56	1.55	1.53
580-78613/4JC	78613/4JC	A	1CT:1	50	4	0.30	1.57	1.56	1.55	1.53
580-78613/3JC	78613/3JC	A	1CT:1	190	6	0.65	1.57	1.56	1.55	1.53
580-78613/2JC	78613/2JC	A	1CT:1	490	10	1.07	1.57	1.56	1.55	1.53
580-78613/8JC	78613/8JC	A	1CT:1	980	15	1.13	1.57	1.56	1.55	1.53
580-78613/1JC	78613/1JC	A	1CT:1	2000	20	1.70	1.57	1.56	1.55	1.53
580-78613/16JC	78613/16JC	A	1CT:1	3200	28	2.80	1.57	1.56	1.55	1.53
580-78613/9JC	78613/9JC	A	1CT:1	10000	56	3.83	1.57	1.56	1.55	1.53
580-78615/4JC	78615/4JC	A	1CT:1CT	65	4	1.21	1.57	1.56	1.55	1.53
580-78615/3JC	78615/3JC	A	1CT:1CT	190	6	3.64	1.57	1.56	1.55	1.53
580-78615/2JC	78615/2JC	A	1CT:1CT	500	10	6.86	1.57	1.56	1.55	1.53
580-78615/8JC	78615/8JC	A	1CT:1CT	1000	15	11.9	1.57	1.56	1.55	1.53
580-78615/1JC	78615/1JC	A	1CT:1CT	1700	20	16.0	1.57	1.56	1.55	1.53
580-78615/16JC	78615/16JC	A	1CT:1CT	3700	28	37.7	1.57	1.56	1.55	1.53
580-78615/9JC	78615/9JC	A	1CT:1CT	10000	56	52.5	1.57	1.56	1.55	1.53

## 1000 SERIES PULSE TRANSFORMERS

- Features:**
- Operating temperature: 0°C to 70°C
  - 2kVrms Isolation
  - Compact footprint

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Prim. Ind. Min. (μH)	RDC Max. (Ω)			Volt-time Product (VμS)	Turns Ratio	Price Each			
			Primary	Sec. A	Sec. B			1	5	10	25
580-1001C	E1	3	1.2	1.0	-	200	1:1	4.30	4.29	4.04	3.99
580-1002C	E2	3	1.4	1.3	1.7	200	1:1:1	4.75	4.65	4.47	4.43
580-1003C	E2	12	4.0	1.8	2.4	400	2:1:1	4.96	4.87	4.69	4.62
580-1016C	E1	3	1.2	1	-	200	1:1	4.75	4.65	4.47	4.43
580-1017C	E1	0.8	0.4	0.3	-	130	1:1	4.74	4.65	4.47	4.43
580-1025C	E2	24	7.5	3.5	4.5	570	2:1:1	4.75	4.65	4.47	4.43
580-1026C	E2	6	4.0	4.0	4.0	285	1:1:1	4.75	4.65	4.47	4.43
580-1082C	E1	6.1	0.7	0.1	-	280	100:1	8.57	8.31	8.24	7.32