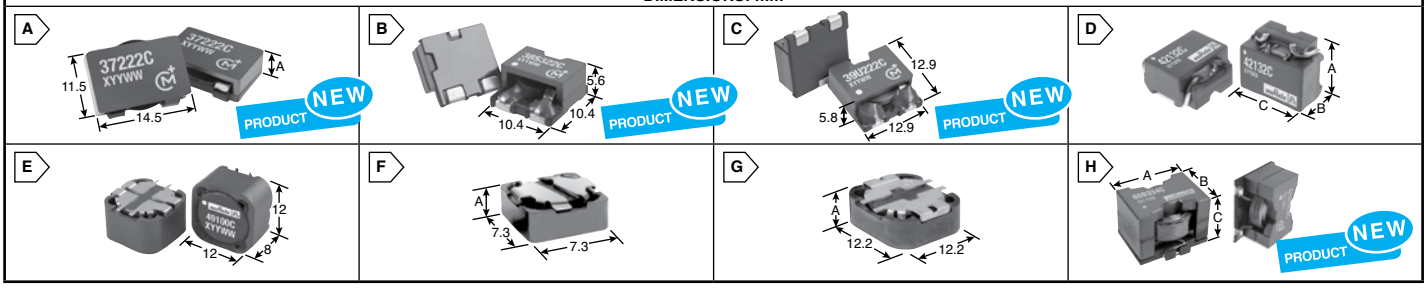
MURATA POWER SOLUTIONS Inductors

Murata Power Solutions

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm



3700 SERIES FLAT COIL SMT POWER INDUCTORS

- High current, low DCR
- Pick & place compatible
- Backward compatible with Sn/Pb soldering systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L(μH)	IDC Max. A	Saturation Current Typ. A	RDC Max. mΩ	Dimen. A (mm)	Price Each 1	5	10
580-37301C	37301C	A	0.30 ±20%	19.5	39	0.9	5.8	2.23	2.09	1.99
580-37501C	37501C	A	0.50 ±20%	19.5	30	1.0	5.8	2.23	2.09	1.99
580-37951C	37951C	A	0.95 ±20%	18.0	25	1.3	6.8	2.23	2.09	1.99
580-37112C	37112C	A	1.1	14.5	20	2.2	5.8	2.23	2.09	1.99
580-37142C	37142C	A	1.4	16.0	22	1.9	6.8	2.23	2.09	1.99
580-37222C	37222C	A	2.2	11.5	15	4.0	5.8	2.23	2.09	1.99
580-37242C	37242C	A	2.4	12.0	16.5	3.0	6.8	2.23	2.09	1.99
580-37302C	37302C	A	3.0	9.0	13	4.8	5.8	2.23	2.09	1.99
580-37392C	37392C	A	3.9	10.0	12	4.2	6.8	2.23	2.09	1.99

3800 SERIES FLAT COIL SMT POWER INDUCTORS

- High current, low DCR
- Pick & place compatible
- Backward compatible with Sn/Pb soldering systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L(μH)	IDC Max. A	Saturation Current Typ. A	RDC Max. mΩ	Price Each 1	5	10
580-38L361C	38L361C	B	0.36 ±30%	18	27	1.8	1.62	1.52	1.45
580-38L801C	38L801C	B	0.8	16	20	2.5	1.62	1.52	1.45
580-38L142C	38L142C	B	1.40	12.0	15	3.7	1.62	1.52	1.45
580-38L222C	38L222C	B	2.20	9.6	12	5	1.62	1.52	1.45
580-38L322C	38L322C	B	3.20	7.8	10	6.8	1.62	1.52	1.45
580-38L432C	38L432C	B	4.30	6.8	8.8	9.7	1.62	1.52	1.45
580-38L572C	38L572C	B	5.70	5.8	7.3	11.9	1.62	1.52	1.45
580-38L722C	38L722C	B	7.20	5.3	6.6	15.5	1.62	1.52	1.45
580-38L882C	38L882C	B	8.80	4.8	5.9	19.6	1.62	1.52	1.45
580-38S221C	38S221C	B	0.22 ±30%	18	35	2.2	1.62	1.52	1.45
580-38S451C	38S451C	B	0.45	16	27	2.6	1.62	1.52	1.45
580-38S801C	38S801C	B	0.8	12.5	20	3.7	1.62	1.52	1.45
580-38S132C	38S132C	B	1.30	10.5	17	5	1.62	1.52	1.45
580-38S182C	38S182C	B	1.80	9.0	14	6.8	1.62	1.52	1.45
580-38S252C	38S252C	B	2.50	7.2	12	9.7	1.62	1.52	1.45
580-38S322C	38S322C	B	3.20	6.5	10	11.9	1.62	1.52	1.45
580-38S402C	38S402C	B	4.00	5.5	9.1	15.1	1.62	1.52	1.45
580-38S502C	38S502C	B	5.00	4.9	8.1	20.3	1.62	1.52	1.45
580-38H151C	38H151C	B	0.15 ±30%	18	38	1.9	1.62	1.52	1.45
580-38H301C	38H301C	B	0.30 ±30%	16	32	2.2	1.62	1.52	1.45
580-38H501C	38H501C	B	0.5	12.5	24	3.7	1.62	1.52	1.45
580-38H801C	38H801C	B	0.8	10.5	20	5	1.62	1.52	1.45
580-38H122C	38H122C	B	1.20	9	17	6.8	1.62	1.52	1.45
580-38H152C	38H152C	B	1.50	7.2	14	9.5	1.62	1.52	1.45
580-38H202C	38H202C	B	2.00	6.5	12	11.8	1.62	1.52	1.45
580-38H252C	38H252C	B	2.50	5.5	11	15.1	1.62	1.52	1.45
580-38H302C	38H302C	B	3.00	4.9	9.4	19.4	1.62	1.52	1.45

3900 SERIES FLAT COIL SMT POWER INDUCTORS

- Compact size
- Pick & place compatible
- J-STD-020D reflow
- Backward compatible with Sn/Pb soldering systems

For quantities greater than listed, call for quote.

580-39S681C	39S681C	C	0.68 ±30%	19.5	20.4	1.9	1.87	1.75	1.67
580-39S152C	39S152C	C	1.50 ±30%	13.5	14.0	2.5	1.87	1.75	1.67
580-39S252C	39S252C	C	2.50	10.0	10.0	3.9	1.87	1.75	1.67
580-39S402C	39S402C	C	4.00	8.3	8.3	5.4	1.87	1.75	1.67
580-39S602C	39S602C	C	6.00	6.7	6.7	8.0	1.87	1.75	1.67
580-39S822C	39S822C	C	8.20	5.8	5.8	11.4	1.87	1.75	1.67
580-39S103C	39S103C	C	10.0	5.0	5.0	13.5	1.87	1.75	1.67
580-39H471C	39H471C	C	0.47 ±30%	19.5	28.8	1.9	1.87	1.75	1.67
580-39H102C	39H102C	C	1.00	17.5	20.0	2.5	1.87	1.75	1.67
580-39H182C	39H182C	C	1.80	13.5	15.3	3.9	1.87	1.75	1.67
580-39H282C	39H282C	C	2.80	11.0	12.3	5.4	1.87	1.75	1.67
580-39H402C	39H402C	C	4.00	9.7	10.3	8.0	1.87	1.75	1.67
580-39H562C	39H562C	C	5.60	8.2	8.8	11.4	1.87	1.75	1.67
580-39H722C	39H722C	C	7.20	6.6	7.8	13.5	1.87	1.75	1.67
580-39U351C	39U351C	C	0.35 ±30%	19.5	35.0	1.9	1.87	1.75	1.67
580-39U801C	39U801C	C	0.80 ±30%	18.0	25.7	2.5	1.87	1.75	1.67
580-39U142C	39U142C	C	1.40	13.5	19.2	3.9	1.87	1.75	1.67
580-39U222C	39U222C	C	2.20	11.0	14.8	5.4	1.87	1.75	1.67
580-39U322C	39U322C	C	3.20	9.7	12.8	8.0	1.87	1.75	1.67
580-39U432C	39U432C	C	4.30	8.2	11	11.4	1.87	1.75	1.67
580-39U562C	39U562C	C	5.60	6.6	9.5	13.5	1.87	1.75	1.67

4200 SERIES TOROIDAL SMD INDUCTORS

- Toroidal contruction minimizes EMI
- Compact size
- Pick & place compatible
- J-STD-020-C reflow
- UL94V-0 package materials
- RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	SRF Min. (MHz)	Dimensions: mm A	B	C	Price Each 1	5	10
580-42652C	42652C	D	6.50	12.4	6.0	57	18.80	9.9	18.80	1.82	1.75	1.69
580-42103C	42103C	D	10.20	15.4	6.0	38	23.88	9.9	23.88	2.11	2.02	1.96
580-42183C	42183C	D	17.60	10.9	11.6	24	23.88	9.9	23.88	2.11	2.02	1.96

4900 SERIES DUAL WINDING SMD INDUCTORS

- Tape & reel packaging
- Integral EMI shield
- Bobbin format
- No voltage breakdown at 500VDC
- J-STD-020C reflow
- RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Price Each 1	5	10
580-49100C	49100C	E	10	4.5	41	1.16	1.09	1.05
580-49220C	49220C	E	22	3.0	81	1.16	1.09	1.05
580-49470C	49470C	E	47	2.1	191	1.16	1.09	1.05

SHIELDED SMD POWER INDUCTORS

- Bobbin format
- Tape & reel packaging
- J-STD-020-C reflow
- Integral EMI shield
- UL94V-0 materials
- RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Dimension A (mm)	Price Each 1	5	10
4500 Series									
580-45102C	45102C	F	1.0	6.0	14	3.55	.96	.89	.84
580-45332C	45332C	F	3.3	3.7	34	3.55	.96	.89	.84
580-45103C	45103C	F	10	2.2	82	3.55	.91	.85	.79
580-45153C	45153C	F	15	1.8	120	3.55	.91	.85	.79
580-45223C	45223C	F	22	1.35	180	3.55	.91	.85	.79
580-45333C	45333C	F	33	1.25	250	3.55	.91	.85	.79
580-45473C	45473C	F	47	1.05	360	3.55	.91	.85	.79
580-45683C	45683C	F	68	0.82	510	3.55	.91	.85	.79
580-45104C	45104C	F	100	0.70	710	3.55	.91	.85	.79
580-45224C	45224C	F	220	0.50	1550	3.55	.91	.85	.79
4600 Series									
580-46332C	46332C	F	3.3	4.3	29	4.55	1.02	.95	.88
580-46682C	46682C	F	6.8	3.1	52	4.55	.96	.89	.84
580-46103C	46103C	F	10	2.4	66	4.55	.96	.89	.84
580-46223C	46223C	F	22	1.8	120	4.55	.96	.89	.84
580-46333C	46333C	F	33	1.45	190	4.55	.96	.89	.84
580-46683C	46683C	F	68	1.05	360	4.55	.96	.89	.84
580-46104C	46104C	F	100	0.86	500	4.55	.96	.89	.84
580-46334C	46334C	F	330	0.46	1850	4.55	.96	.89	.84
580-46684C	46684C	F	680	0.32	3900	4.55	.96	.92	.84
580-46105C	46105C	F	1000	0.27	4900	4.55	.96	.89	.84

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Nom. Q @ f MHz Q	F	SRF Typ. (MHz)	Dimen. A (mm)	Price Each 1	5	10
4700S Series												
580-47470SC	47470SC	G	47	1.9	168	23	1	11	5	1.08	.95	.88
580-47680SC	47680SC	G	68	1.6	210	23	1	9	5	1.08	.95	.88
4800S Series												
580-48100SC	48100SC	G	10	4.5	28	32	1	20	6	1.17	1.03	.95
580-48330SC	48330SC	G	33	2.8	73	31	1	11	6	1.17	1.03	.95
580-48680SC	48680SC	G	68	1.8	145	33	1	9	6	1.17	1.03	.95
4900S Series												
580-49680SC	49680SC	G	68	2.0	143	47	1	7	8	1.56	1.37	1.27
580-49102SC	49102SC	G	1000	0.50	1500	26	0.8	3	8	1.56	1.37	1.27

6000A SERIES HIGH-CURRENT SMT POWER INDUCTORS

- High energy storage, low resistance
- J-STD-020D.1 reflow
- Tape and reel packaging
- UL 94V-0 packaging materials

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	SRF Typ. (MHz)	Dimen. A (mm) A	B	C	Price Each 1	5	10
580-60A582C	60A582C	H	5.8	14.5	5	31	22.0	19.0	12.0	2.79	2.61	2.49
580-60A782C	60A782C	H	7.8	13.5	6	26	22.0	19.0	12.0	2.79	2.61	2.49
580-60A103C	60A103C	H	10.2	12.0	7	21	22.0	19.0	12.0	2.79	2.61	2.49
580-60A163C	60A163Ct	H	16.0	9.6	9	17	22.0	19.0	12.0	2.79	2.61	2.49
580-60A193C	60A193C	H	19.4	8.5	11	15	22.0	19.0	12.0	2.79	2.61	2.49
580-60A233C	60A233C	H	23.0	8.4	12	13	22.0	19.0	12.0	2.79	2.61	2.49
580-60A273C	60A273C	H	27.0	7.5	15	13	22.0	19.0	12.0	2.79	2.61	2.49
580-60A313C	60A313C	H	31.4	6.8	18	12	22.0	19.0	12.0	2.79	2.61	2.49
580-60A363C	60A363C	H	36.0	6.4	20	11	22.0	19.0	12.0	2.79	2.61	2.49
580-60A413C	60A413C	H	41.0	5.6	26	10	22.0	19.0	12.0	2.79	2.61	2.49
580-60A583C	60A583C	H	57.8	4.9	36	8	22.0	19.0	12.0	2.79	2.61	2.49
580-60B473C	60B473C	H	47.0	10.5	13	7.45	27.0	19.5	20.0	3.70	3.45	3.29
580-60B683C	60B683C	H	68.0	9.0	17	6.07	27.0	19.5	20.0	3.70	3.45	3.29
580-60B104C	60B104C	H	100.0	7.5	25	4.98	27.0	19.5	20.0	3.70	3.45	3.29
580-60B154C	60B154C	H	150.0	6.0	38	3.9	27.0	19.5	20.0	3.70	3.45	3.29
580-60B224C	60B224C	H	220.0	5.0	50	3.21	27.0	19.5	20.0	3.70	3.45	3.29
580-60B334C	60B334C	H	330.0	4.0	80	2.66	27.0	19.5	20.0	3.70	3.45	3.29
580-60B474C	60B474C	H	470.0	3.5	100	2.15	27.0	19.5	20.0	3.70	3.45	3.29
580-60B684C	60B684C	H	680.0	3.0	135	1.59	27.0	19.5	20.0	3.70	3.45	3.29

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