

# MURATA POWER SOLUTIONS Inductors

RoHS Compliant This product is RoHS compliant.

## 4200 SERIES TOROIDAL SMD INDUCTORS

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



RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	SRF Min. (MHz)	Dimensions: mm			Price Each		
							A	B	C	1	5	10
580-42132C	42132C	A	1.27	14.3	2.5	244	15.70	9.4	15.37	1.80	1.74	1.68
580-42212C	42212C	A	2.10	11.5	3.8	162	15.70	9.4	15.37	1.80	1.74	1.68
580-42282C	42282C	A	2.84	13.9	3.5	116	17.00	9.9	17.00	1.49	1.40	1.34
580-42422C	42422C	A	4.23	11.4	5.2	90	17.00	9.9	17.00	1.49	1.40	1.34
580-42652C	42652C	A	6.50	12.4	6.0	57	18.80	9.9	18.80	1.82	1.75	1.69
580-42842C	42842C	A	8.45	10.4	8.0	50	18.80	9.9	18.80	1.82	1.75	1.69
580-42103C	42103C	A	10.20	15.4	6.0	38	23.88	9.9	23.88	2.11	2.02	1.96
580-42183C	42183C	A	17.60	10.9	11.6	24	23.88	9.9	23.88	2.11	2.02	1.96

## 4300 SERIES DUAL WINDING TOROIDAL SMD INDUCTORS

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



RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	SRF Min. (MHz)	Dimensions: mm			Price Each		
							A	B	C	1	5	10
580-43212C	43212C	B	2.1	21.0	2.22	106	20.3	9.91	23.1	1.88	1.82	1.78
580-43402C	43402C	B	4.0	22.4	3.10	69	25.4	9.91	28.2	2.81	2.70	2.61

## 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



RoHS Compliant

For quantities of 25 and up, 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	C	10	4.5	41	1.16	1.09	1.05
580-49220C	49220C	C	22	3.0	81	1.16	1.09	1.05
580-49470C	49470C	C	47	2.1	191	1.16	1.09	1.05

## SHIELDED SMD POWER INDUCTORS

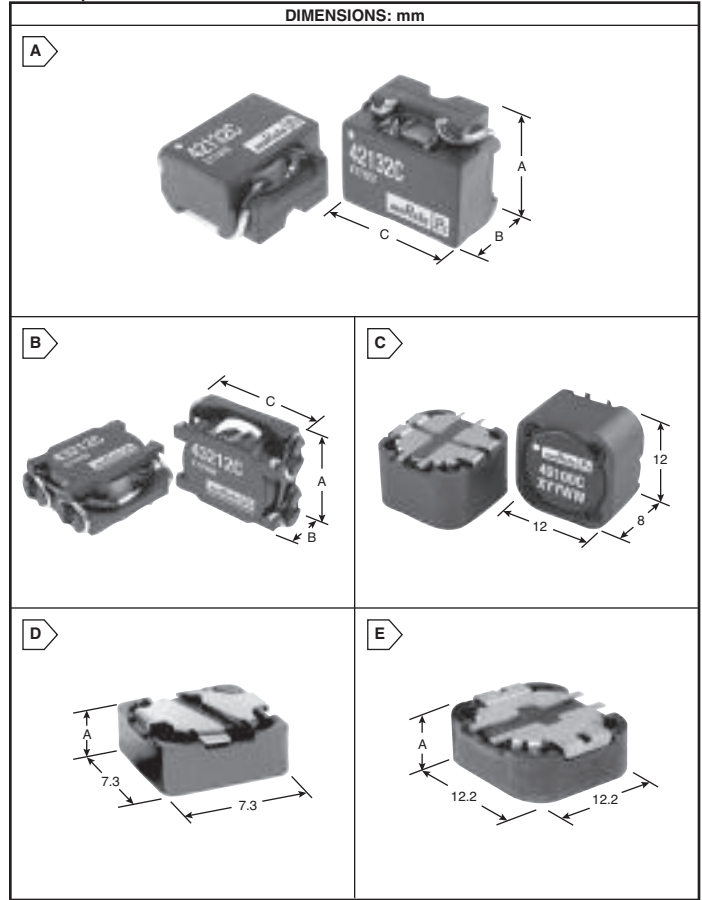
- Bobbin format
- Tape & reel packaging
- J-STD-020-C reflow
- Integral EMI shield
- UL94V-0 materials
- RoHS Compliant



RoHS Compliant

For quantities of 25 and up, 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
<b>4500 Series</b>									
580-45541C	45541C	D	0.54	7.0	11	3.55	.96	.89	.84
580-45102C	45102C	D	1.0	6.0	14	3.55	.96	.89	.84
580-45332C	45332C	D	3.3	3.7	34	3.55	.96	.89	.84
580-45472C	45472C	D	4.7	3.2	47	3.55	.96	.89	.84
580-45103C	45103C	D	10	2.2	82	3.55	.91	.85	.79
580-45153C	45153C	D	15	1.8	120	3.55	.91	.85	.79
580-45223C	45223C	D	22	1.35	180	3.55	.91	.85	.79
580-45333C	45333C	D	33	1.25	250	3.55	.91	.85	.79
580-45473C	45473C	D	47	1.05	360	3.55	.91	.85	.79
580-45683C	45683C	D	68	0.82	510	3.55	.91	.85	.79
580-45104C	45104C	D	100	0.70	710	3.55	.91	.85	.79
580-45154C	45154C	D	150	0.58	1000	3.55	.91	.85	.79
580-45224C	45224C	D	220	0.50	1550	3.55	.91	.85	.79
580-45474C	45474C	D	470	0.32	3250	3.55	.91	.85	.79
<b>4600 Series</b>									
580-46281C	46281C	D	0.28	8.7	8	4.55	1.02	.95	.88
580-46222C	46222C	D	2.2	5.0	21	4.55	1.02	.95	.88
580-46332C	46332C	D	3.3	4.3	29	4.55	1.02	.95	.88
580-46472C	46472C	D	4.7	3.7	37	4.55	1.02	.95	.88
580-46682C	46682C	D	6.8	3.1	52	4.55	.96	.89	.84
580-46103C	46103C	D	10	2.4	66	4.55	.96	.89	.84
580-46223C	46223C	D	22	1.8	120	4.55	.96	.89	.84
580-46333C	46333C	D	33	1.45	190	4.55	.96	.89	.84
580-46683C	46683C	D	68	1.05	360	4.55	.96	.89	.84
580-46104C	46104C	D	100	0.86	500	4.55	.96	.89	.84
580-46224C	46224C	D	220	0.57	1050	4.55	.96	.89	.84
580-46334C	46334C	D	330	0.46	1850	4.55	.96	.89	.84
580-46684C	46684C	D	680	0.32	3900	4.55	.96	.89	.84
580-46105C	46105C	D	1000	0.27	4900	4.55	.96	.89	.84



## SHIELDED SMD POWER INDUCTORS (CONT.)

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



RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Nom. Q @ f MHz		SRF Typ. (MHz)	Dimen. A (mm)	Price Each		
						Q	F			1	5	10
<b>4700S Series</b>												
580-473R3SC	473R3SC	E	3.3	6.4	11.1	25	1	36	5	1.08	.95	.88
580-474R7SC	474R7SC	E	4.7	5.8	16.4	25	1	34	5	1.08	.95	.88
580-47100SC	47100SC	E	10	3.8	32.3	22	1	22	5	1.08	.95	.88
580-47150SC	47150SC	E	15	3.2	46.5	29	1	18	5	1.08	.95	.88
580-47330SC	47330SC	E	33	2.2	91.1	23	1	13	5	1.08	.95	.88
580-47470SC	47470SC	E	47	1.9	168	23	1	11	5	1.08	.95	.88
580-47680SC	47680SC	E	68	1.6	210	23	1	9	5	1.08	.95	.88
580-47681SC	47681SC	E	680	0.48	1780	17	0.8	4	5	1.08	.95	.88
<b>4800S Series</b>												
580-481R0SC	481R0SC	E	1.0	10.0	6	35	1	83	6	1.17	1.03	.95
580-484R7SC	484R7SC	E	4.7	6.3	16	34	1	28	6	1.17	1.03	.95
580-486R8SC	486R8SC	E	6.8	5.1	21	34	1	26	6	1.17	1.03	.95
580-48100SC	48100SC	E	10	4.5	28	32	1	20	6	1.17	1.03	.95
580-48150SC	48150SC	E	15	3.7	40	31	1	17	6	1.17	1.03	.95
580-48330SC	48330SC	E	33	2.8	73	31	1	11	6	1.17	1.03	.95
580-48470SC	48470SC	E	47	2.4	100	32	1	10	6	1.17	1.03	.95
580-48680SC	48680SC	E	68	1.8	145	33	1	9	6	1.17	1.03	.95
580-48101SC	48101SC	E	100	1.6	200	20	0.8	7	6	1.17	1.03	.95
580-48151SC	48151SC	E	150	1.35	280	23	0.8	6	6	1.17	1.03	.95
580-48331SC	48331SC	E	330	0.85	630	22	0.8	5	6	1.17	1.03	.95
580-48471SC	48471SC	E	470	0.76	900	20	0.8	4	6	1.17	1.03	.95
580-48681SC	48681SC	E	680	0.66	1250	18	0.8	4	6	1.17	1.03	.95
580-48102SC	48102SC	E	1000	0.52	1850	17	0.8	4	6	1.17	1.03	.95
<b>4900S Series</b>												
580-491R0SC	491R0SC	E	1.0	11.8	5	32	1	91	8	1.56	1.37	1.27
580-49100SC	49100SC	E	10	5.1	21	43	1	19	8	1.56	1.37	1.27
580-49680SC	49680SC	E	68	2.0	143	47	1	7	8	1.56	1.37	1.27
580-49101SC	49101SC	E	100	1.6	165	40	0.8	6	8	1.56	1.37	1.27
580-49151SC	49151SC	E	150	1.3	250	35	0.8	5	8	1.56	1.37	1.27
580-49471SC	49471SC	E	470	0.75	810	37	0.8	4	8	1.56	1.37	1.27
580-49681SC	49681SC	E	680	0.62	1200	27	0.8	3	8	1.56	1.37	1.27
580-49102SC	49102SC	E	1000	0.50	1500	26	0.8	3	8	1.56	1.37	1.27