

MURATA POWER SOLUTIONS Inductors



RoHS Compliant. This product is RoHS compliant.



1400 SERIES BOBBIN INDUCTORS

- Low DC resistance
- Low temperature dependence
- Radial format
- PCB Mounting hole

- Operating temperature: -40°C to +85°C
- RoHS Compliant
- ※ Dim: 29.8

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Typ. (MHz)	Dimen.: (mm)			Price Each		
						Q	F		A	B	1	5	10	
580-1410313C	1410313C	A	10	13	0.007	54	50	20.7	27.0	14.0	2.49	2.42	2.34	
580-1422311C	1422311C	A	22	11	0.011	64	100	9.3	27.0	14.0	2.49	2.48	2.46	
580-1433393C	1433393C	A	33	9.3	0.015	27	50	9.1	27.0	14.0	2.49	2.48	2.46	
580-1447383C	1447383C	A	47	8.3	0.019	40	100	6.0	27.0	18.5	2.64	2.55	2.48	
580-1447385C	1447385C	A	47	8.5	0.021	33	100	6.7	26.8	14.0	2.49	2.48	2.46	
580-1468362C	1468362C	A	68	6.2	0.032	32	100	5.3	26.5	14.0	2.49	2.48	2.46	
580-1468373C	1468373C	A	68	7.3	0.022	45	100	5.3	27.0	18.5	2.64	2.55	2.48	
580-1410454C	1410454C	A	100	5.4	0.042	24	100	4.6	26.4	14.0	2.49	2.42	2.34	
580-1410478C	1410478C	A	100	7.8	0.040	34	50	3.3	32.4	29.8	4.04	3.92	3.80	
580-1415440C	1415440C	A	150	4.0	0.069	24	50	3.4	26.2	14.0	2.49	2.42	2.34	
580-1422435C	1422435C	A	220	3.5	0.096	22	50	2.8	26.1	14.0	2.49	2.48	2.46	
580-1422455C	1422455C	A	220	5.5	0.062	30	50	2.2	32.1	21.8	4.04	4.00	3.94	
580-1430430C	1430430C	A	300	3	0.14	26	50	2.6	25.9	14.0	2.49	2.42	2.34	
580-1433428C	1433428C	A	330	2.8	0.150	22	50	2.5	25.9	14.0	2.49	2.42	2.34	
580-1433445C	1433445C	A	330	4.5	0.091	25	50	1.6	31.8	21.8	4.04	4.00	3.94	
580-1447423C	1447423C	A	470	2.3	0.222	34	50	2.0	25.7	14.0	2.49	2.48	2.46	
580-1468420C	1468420C	A	680	2.0	0.276	23	50	1.6	25.7	14.0	2.49	2.48	2.46	
580-1410516C	1410516C	A	1000	1.6	0.419	30	50	1.4	25.6	14.0	2.49	2.48	2.46	
580-1410517C	1410517C	A	1000	1.7	0.336	35	50	1.2	25.7	18.5	2.64	2.55	2.48	
580-1410524C	1410524C	A	1000	2.4	0.277	33	50	1	31.4	21.8	4.04	3.92	3.80	
580-1415517C	1415517C	A	1.5mH	1.7	0.374	28	50	0.7	31.3	21.8	4.04	3.92	3.80	
580-1422509C	1422509C	A	2.2mH	0.9	0.916	43	50	0.9	25.3	14.0	2.49	2.42	2.34	
580-1422512C	1422512C	A	2.2mH	1.2	0.649	33	50	0.7	25.6	18.5	2.64	2.55	2.48	
580-1422514C	1422514C	A	2.2mH	1.4	0.622	33	50	0.6	31.1	21.8	4.04	3.92	3.80	
580-1433507C	1433507C	A	3.3mH	0.7	1.428	45	50	0.8	25.2	14.0	2.49	2.42	2.34	
580-1433510C	1433510C	A	3.3mH	1	1.992	20	50	0.7	25.5	18.5	2.64	2.55	2.48	
580-1447506C	1447506C	A	4.7mH	0.6	2.2	60	50	0.6	25.2	14.0	2.49	2.42	2.34	
580-1410604C	1410604C	A	10mH	0.4	4.34	51	50	0.4	25.1	14.0	2.49	2.42	2.34	
580-1410605C	1410605C	A	10mH	0.5	3.394	48	50	0.3	25.2	18.5	2.64	2.55	2.48	
580-1410606C	1410606C	A	10mH	0.6	2.294	48	50	0.2	30.9	21.8	4.04	3.92	3.80	
580-1415604C	1415604C	A	15mH	0.4	4.912	61	10	0.2	25.1	18.5	2.64	2.55	2.48	
580-1422604C	1422604C	A	22mH	0.4	6.962	30	50	0.2	30.5	21.8	4.04	3.92	3.80	

1500 SERIES RADIAL LEAD INDUCTORS

- Low DC resistance
- PCB mounting
- Dimensions (mm): A-16.8, B-21.3, C-13

- Fully tinned leads
- RoHS Compliant

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Typ. (MHz)	Price Each		
						Q	F		1	5	10
580-15102C	15102C	B	1.0	16.2	2.76	151	1000	142	2.00	1.91	1.80
580-15152C	15152C	B	1.5	14.9	3.48	155	1000	108	2.00	1.91	1.80
580-15332C	15332C	B	3.3	11.8	5.76	128	1000	68	2.00	1.91	1.80
580-15472C	15472C	B	4.7	11.7	6.48	131	1000	60	2.00	1.91	1.80
580-15682C	15682C	B	6.8	10.2	8.04	133	1000	46	2.00	1.91	1.80
580-15103C	15103C	B	10	9.01	10.6	112	1000	30	2.00	1.91	1.80
580-15223C	15223C	B	22	6.80	18.8	102	1000	11	2.00	1.91	1.80
580-15333C	15333C	B	33	5.08	31.2	107	1000	8	2.00	1.91	1.80
580-15473C	15473C	B	47	4.04	45.6	104	1000	5	2.00	1.91	1.80
580-15683C	15683C	B	68	3.33	70.3	100	1000	4	2.00	1.91	1.80
580-15104C	15104C	B	100	2.62	110	89	1000	3	2.00	1.91	1.80
580-15154C	15154C	B	150	2.28	149	126	800	2	2.00	1.91	1.80
580-15224C	15224C	B	220	2.08	185	69	20	2	2.00	1.91	1.80
580-15334C	15334C	B	330	1.71	263	68	20	1.6	2.00	1.91	1.80
580-15684C	15684C	B	680	1.12	574	86	25	1.0	2.00	1.91	1.80
580-15105C	15105C	B	1000	0.91	887	96	30	0.8	2.00	1.91	1.80

VERTICAL MOUNT TOROIDAL INDUCTORS

- Toroidal construction
- Low DC resistance
- Low EMI
- UL94V-0 packaging materials

- Through-hole
- RoHS Compliant

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Typ. (MHz)	Price Each		
						Q	F		1	5	10
3200 Series • Dimensions (mm): A-18, B-24, C-10											
580-32100C	32100C	C	10	4.5	20	3.1	1.0	69	1.71	1.67	1.63
580-32200C	32200C	C	22	3.0	29	3.2	1.0	41	1.71	1.67	1.63
580-32101C	32101C	C	100	1.4	77	3.5	0.8	5.3	1.71	1.67	1.63
580-3221C	3221C	C	220	0.96	141	3.3	0.8	2.8	1.71	1.67	1.63
580-32331C	32331C	C	330	0.78	215	3.2	0.8	2.3	1.71	1.67	1.63
580-32471C	32471C	C	470	0.66	312	2.8	0.8	1.6	1.71	1.67	1.63
580-32102C	32102C	C	1000	0.45	568	1.2	0.8	1.0	1.71	1.67	1.63
3300 Series • Dimensions (mm): A-24, B-31, C-16.3											
580-33100C	33100C	C	10	7.6	20	3.4	1.0	68	1.81	1.77	1.72
580-33330C	33330C	C	33	4.2	40	3.5	1.0	24	1.81	1.77	1.72
580-33470C	33470C	C	47	3.5	48	3.4	1.0	17	1.81	1.77	1.72
580-33101C	33101C	C	100	2.4	70	3.9	0.8	9.7	1.81	1.77	1.72
580-33151C	33151C	C	150	2.0	84	3.8	0.8	7.2	1.81	1.77	1.72
580-33221C	33221C	C	220	1.6	102	3.2	0.8	2.0	1.81	1.77	1.72
580-33331C	33331C	C	330	1.3	126	3.4	0.8	1.9	1.81	1.77	1.72
580-33471C	33471C	C	470	1.1	152	2.6	0.8	1.4	1.81	1.77	1.72
580-33102C	33102C	C	1000	0.76	221	0.85	0.8	0.7	1.81	1.77	1.72

DIMENSIONS: mm

Diagram A: Bobbin inductor with dimensions A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

Diagram B: Toroidal inductor with dimensions A, B, C.

Diagram C: Toroidal inductor with dimensions A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

Diagram D: Surface mount inductor with dimensions A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

Diagram E: Surface mount inductor with dimensions A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

Diagram F: Toroidal inductor with dimensions A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

Diagram G: Surface mount inductor with dimensions A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

FLAT COIL SMD POWER INDUCTORS

- Inductance range from 0.25μH to 4.7μH
- Low DC resistance
- RoHS Compliant

For quantities greater than listed, call for quote.

RoHS Compliant

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Dimension A (mm)	Price Each		
							1	5	10
3600 Series									
580-36102C	36102C	D	1.0	9.5	7.5	4.2	1.19	1.13	1.08
580-36232C	36232C	D	2.3	6.0	20	4.2	1.19	1.13	1.08
580-36472C	36472C	D	4.7	3.6	41	4.2	1.19	1.13	1.08

5000 SERIES SURFACE MOUNT COMMON MODE CHOKES

- Up to 0.7A Idc
- Compact Size
- RoHS Compliant

For quantities greater than listed, call for quote.

RoHS Compliant

MOUSER STOCK NO.	MPS Part No.	Fig.	L (mH)	Leakage L Typ. (μH)	IDC Max. (mA)	RDC Max. (Ω)	Price Each		
							1	5	10
580-50474C	50474C	E	0.47	0.2	700	0.3	1.50	1.43	1.32
580-50105C	50105C	E	1.00	0.2	700	0.3	1.50	1.43	1.32
580-50225C	50225C	E	2.20	0.25	500	0.4	1.50	1.45	1.32
580-50475C	50475C	E	4.70	0.4	400	0.7	1.55	1.43	1.32

TOROIDAL COMMON MODE CHOKES

- Toroidal construction
- UL94V-0 packaging materials
- Low DC resistance
- Through-hole
- Guaranteed 3.0mm creepage and clearance between windings
- RoHS Compliant

For quantities greater than listed, call for quote.

RoHS Compliant

MOUSER STOCK NO.	MPS Part No.	Fig.	L (mH)	Leakage L Max. (μH)	IDC Max. (mA)	RDC Max. (Ω)	Price Each		
							1	5	10
5100 Series • Dimensions (mm): A-18, B-24, C-10									
580-51504C	51504C	F	0.5	9.0	4.1	27	2.72	2.66	2.59
580-51105C	51105C	F	1.0	18	3.3	38	2.72	2.66	2.59
580-51305C	51305C	F	3.0	45	1.9	97	2.72	2.66	2.59
580-5150									