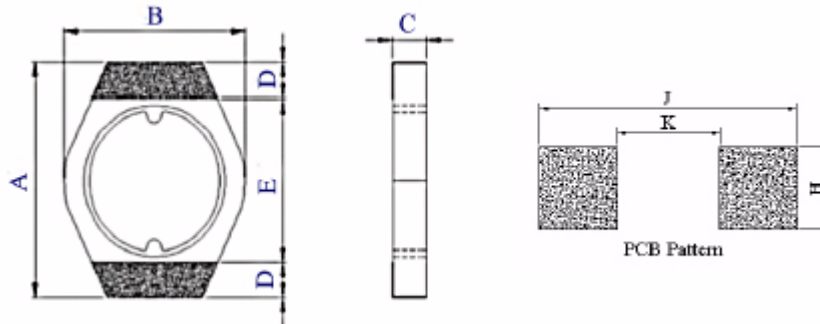


- Features:
- Low profile for space limited applications
 - Enclosed in a rugged case to provide optimum pick and place
 - Provides high inductance and good saturation handling for low profile package size
 - For inductance values outside those listed in the datasheet contact factory
 - Find environmental information and packaging specifications in related supplemental documents



- Applications:
- Server computers
 - Hand held battery powered devices
 - Hand held communications
 - Personal computers
 - DC/DC converters

Inductance and Current Ranges		
Type	Inductance	Current Ranges
MPC0615	1.0 - 4,700 μ H	2.91 - 0.037A
MPC0620	1.0 - 2,700 μ H	2.90 - 0.05A



Mechanical Specifications - Standard									
Type / Code	A	B	C	D Reference	E Reference	H Typical	J Typical	K Typical	Units
MPC0615	0.260 \pm 0.020 6.60 \pm 0.50	0.217 \pm 0.008 5.50 \pm 0.20	0.059 \pm 0.012 1.50 \pm 0.30	0.033 0.85	0.193 4.9	0.15 3.8	0.272 6.9	0.185 4.7	inches mm
MPC0620	0.260 \pm 0.020 6.60 \pm 0.50	0.217 \pm 0.008 5.50 \pm 0.20	0.079 \pm 0.008 2.00 \pm 0.2	0.033 0.85	0.193 4.9	0.15 3.8	0.272 6.9	0.185 4.7	inches mm

How to Order

SEI Type		Dimensions		Tolerance		Packaging		Inductance	
MPC		0615		M		T		101	
Type	Description	Code	Dimensions (mm)	Code	Tolerance	Code	Type	Code	Inductance
MPC	SMD Mini Power Inductor	0615	6.6 x 5.5 x 1.5	M	\pm 20%	T	Tape & Reel	1R1	1.1 μ H
		0620	6.6 x 5.5 x 2.0					470	47 μ H
								101	100 μ H

Electrical Characteristics – MPC0615

Type / Code	L (μH)	Tolerance (%)	DCR (Ω) Max	I DC (A) Max
MPC0615MT1R0	1	20	0.026	2.910
MPC0615MT1R2	1.2	20	0.031	2.520
MPC0615MT1R5	1.5	20	0.039	2.260
MPC0615MT2R0	2	20	0.051	2.010
MPC0615MT2R2	2.2	20	0.054	1.890
MPC0615MT2R8	2.8	20	0.076	1.620
MPC0615MT3R3	3.3	20	0.092	1.470
MPC0615MT3R9	3.9	20	0.098	1.380
MPC0615MT4R7	4.7	20	0.117	1.230
MPC0615MT5R6	5.6	20	0.133	1.120
MPC0615MT6R8	6.8	20	0.165	1.090
MPC0615MT8R2	8.2	20	0.187	1.050
MPC0615MT100	10	20	0.250	1.020
MPC0615MT120	12	20	0.271	0.790
MPC0615MT150	15	20	0.330	0.690
MPC0615MT180	18	20	0.411	0.660
MPC0615MT220	22	20	0.497	0.570
MPC0615MT270	27	20	0.633	0.550
MPC0615MT330	33	20	0.748	0.480
MPC0615MT390	39	20	0.861	0.430
MPC0615MT470	47	20	1.021	0.390
MPC0615MT560	56	20	1.180	0.370
MPC0615MT680	68	20	1.500	0.330
MPC0615MT820	82	20	1.770	0.300
MPC0615MT101	100	20	2.290	0.270
MPC0615MT121	120	20	2.740	0.250
MPC0615MT151	150	20	3.550	0.220
MPC0615MT181	180	20	4.660	0.200
MPC0615MT221	220	20	5.500	0.180
MPC0615MT271	270	20	6.620	0.160
MPC0615MT331	330	20	7.650	0.150
MPC0615MT391	390	20	8.990	0.140
MPC0615MT471	470	20	10.650	0.130
MPC0615MT561	560	20	14.480	0.120
MPC0615MT681	680	20	16.930	0.100
MPC0615MT821	820	20	19.880	0.095
MPC0615MT102	1000	20	25.630	0.084
MPC0615MT122	1200	20	28.810	0.078
MPC0615MT152	1500	20	35.760	0.072
MPC0615MT182	1800	20	46.850	0.061
MPC0615MT222	2200	20	71.230	0.055
MPC0615MT272	2700	20	81.560	0.051
MPC0615MT332	3300	20	97.710	0.046
MPC0615MT472	4700	20	137.040	0.037

Electrical Characteristics – MPC0620

Type / Code	L (μ H)	Tolerance (%)	DCR (Ω) Max	I DC (A) Max
MPC0620MT1R0	1	20	0.05	2.900
MPC0620MT1R5	1.5	20	0.06	2.800
MPC0620MT2R2	2.2	20	0.07	2.400
MPC0620MT3R3	3.3	20	0.08	2.000
MPC0620MT4R7	4.7	20	0.09	1.500
MPC0620MT5R6	5.6	20	0.12	1.420
MPC0620MT6R8	6.8	20	0.13	1.400
MPC0620MT8R2	8.2	20	0.15	1.150
MPC0620MT100	10	20	0.16	1.100
MPC0620MT120	12	20	0.22	1.050
MPC0620MT150	15	20	0.23	1.000
MPC0620MT180	18	20	0.35	0.820
MPC0620MT220	22	20	0.37	0.800
MPC0620MT270	27	20	0.45	0.630
MPC0620MT330	33	20	0.51	0.600
MPC0620MT390	39	20	0.62	0.520
MPC0620MT470	47	20	0.64	0.500
MPC0620MT560	56	20	0.85	0.430
MPC0620MT680	68	20	0.86	0.400
MPC0620MT820	82	20	1.24	0.360
MPC0620MT101	100	20	1.27	0.300
MPC0620MT121	120	20	1.75	0.280
MPC0620MT151	150	20	2.00	0.250
MPC0620MT181	180	20	2.60	0.220
MPC0620MT221	220	20	2.65	0.200
MPC0620MT271	270	20	3.70	0.180
MPC0620MT331	330	20	3.80	0.160
MPC0620MT391	390	20	5.00	0.150
MPC0620MT471	470	20	6.85	0.150
MPC0620MT561	560	20	9.10	0.130
MPC0620MT681	680	20	9.20	0.120
MPC0620MT821	820	20	13.50	0.080
MPC0620MT102	1000	20	13.80	0.070
MPC0620MT122	1200	20	22.56	0.065
MPC0620MT152	1500	20	26.47	0.060
MPC0620MT182	1800	20	33.26	0.058
MPC0620MT222	2200	20	38.00	0.055
MPC0620MT272	2700	20	45.99	0.050