

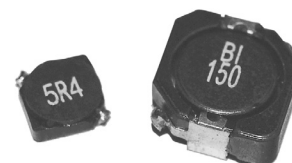
Electrical / Environmental

- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum 80°C
- Temperature Rise, Maximum 40°C
- Insulation System Class B, 130°C
- Operating Frequency Up to 3MHz



HM66

Miniature Low Profile, Shielded
Surface Mount Inductors



Specifications @ 25°C

Part Number	Inductance ⁽¹⁾		DC Resistance		Rated ⁽²⁾ Current		Figure	Part Number	Inductance ⁽¹⁾		DC Resistance		Rated ⁽²⁾ Current		Figure
	Nominal µH ± 20%	Ω Max.	Ω Max.	Amps	Amps			Nominal µH ± 20%	Ω Max.	Ω Max.	Amps	Amps			
HM66-101R5LF	1.5	0.055	1.55	1	1		HM66-30150LF	15	0.1490	0.76	2				
HM66-102R2LF	2.2	0.072	1.20	1	1		HM66-30180LF	18	0.1660	0.72	2				
HM66-103R3LF	3.3	0.085	1.10	1	1		HM66-30220LF	22	0.2350	0.70	2				
HM66-104R7LF	4.7	0.105	0.90	1	1		HM66-30270LF	27	0.2610	0.58	2				
HM66-105R6LF	5.6	0.140	0.80	1	1		HM66-30330LF	33	0.3780	0.56	2				
HM66-106R8LF	6.8	0.170	0.73	1	1		HM66-30390LF	39	0.3837	0.50	2				
HM66-10100LF	10	0.210	0.55	1	1		HM66-30470LF	47	0.5870	0.48	2				
HM66-10150LF	15	0.295	0.45	1	1		HM66-30560LF	56	0.6245	0.41	2				
HM66-10220LF	22	0.430	0.40	1	1		HM66-30680LF	68	0.6990	0.35	2				
HM66-10330LF	33	0.675	0.32	1	1		HM66-30820LF	82	0.9148	0.32	2				
HM66-151R5LF	1.5	0.055	1.55	2	2		HM66-30101LF	100	1.020	0.29	2				
HM66-152R2LF	2.2	0.072	1.20	2	2		HM66-30121LF	120	1.270	0.27	2				
HM66-153R3LF	3.3	0.085	1.10	2	2		HM66-30151LF	150	1.350	0.24	2				
HM66-154R7LF	4.7	0.105	0.90	2	2		HM66-30181LF	180	1.540	0.22	2				
HM66-156R8LF	6.8	0.170	0.73	2	2		HM66-404R1LF	4.1	0.057	1.95	2				
HM66-15100LF	10	0.210	0.55	2	2		HM66-405R4LF	5.4	0.076	1.60	2				
HM66-15150LF	15	0.295	0.45	2	2		HM66-406R2LF	6.2	0.096	1.40	2				
HM66-15220LF	22	0.430	0.40	2	2		HM66-408R9LF	8.9	0.116	1.25	2				
HM66-15330LF	33	0.675	0.32	2	2		HM66-40100LF	10	0.124	1.20	2				
HM66-201R0LF	1.0	0.045	1.72	2	2		HM66-40120LF	12	0.153	1.10	2				
HM66-202R2LF	2.2	0.075	1.32	2	2		HM66-40150LF	15	0.196	0.97	2				
HM66-202R7LF	2.7	0.105	1.28	2	2		HM66-40180LF	18	0.210	0.85	2				
HM66-203R3LF	3.3	0.110	1.04	2	2		HM66-40220LF	22	0.290	0.80	2				
HM66-203R9LF	3.9	0.155	0.88	2	2		HM66-40270LF	27	0.330	0.75	2				
HM66-204R7LF	4.7	0.162	0.84	2	2		HM66-40330LF	33	0.386	0.65	2				
HM66-205R6LF	5.6	0.170	0.80	2	2		HM66-40390LF	39	0.520	0.57	2				
HM66-206R8LF	6.8	0.200	0.76	2	2		HM66-40470LF	47	0.595	0.54	2				
HM66-208R2LF	8.2	0.245	0.68	2	2		HM66-40560LF	56	0.665	0.50	2				
HM66-20100LF	10	0.200	0.61	2	2		HM66-40680LF	68	0.840	0.43	2				
HM66-20120LF	12	0.210	0.56	2	2		HM66-40820LF	82	0.978	0.41	2				
HM66-20150LF	15	0.240	0.50	2	2		HM66-40101LF	100	1.200	0.36	2				
HM66-20180LF	18	0.338	0.48	2	2		HM66-502R5LF	2.5	0.018	2.60	2				
HM66-20220LF	22	0.397	0.41	2	2		HM66-503R0LF	3.0	0.024	2.40	2				
HM66-20270LF	27	0.441	0.35	2	2		HM66-504R2LF	4.2	0.031	2.20	2				
HM66-20330LF	33	0.694	0.32	2	2		HM66-505R3LF	5.3	0.038	1.90	2				
HM66-20390LF	39	0.709	0.30	2	2		HM66-506R2LF	6.2	0.045	1.80	2				
HM66-301R2LF	1.2	0.0236	2.56	2	2		HM66-508R2LF	8.2	0.053	1.60	2				
HM66-301R8LF	1.8	0.0275	2.20	2	2		HM66-50100LF	10	0.065	1.30	2				
HM66-302R2LF	2.2	0.0313	2.04	2	2		HM66-50120LF	12	0.076	1.20	2				
HM66-302R7LF	2.7	0.0433	1.60	2	2		HM66-50150LF	15	0.103	1.10	2				
HM66-303R3LF	3.3	0.0492	1.57	2	2		HM66-50180LF	18	0.110	1.00	2				
HM66-303R9LF	3.9	0.0648	1.44	2	2		HM66-50220LF	22	0.122	0.90	2				
HM66-304R7LF	4.7	0.0720	1.32	2	2		HM66-50270LF	27	0.175	0.85	2				
HM66-305R6LF	5.6	0.1009	1.17	2	2		HM66-50330LF	33	0.189	0.75	2				
HM66-306R8LF	6.8	0.1089	1.12	2	2		HM66-50390LF	39	0.212	0.70	2				
HM66-308R2LF	8.2	0.1175	1.04	2	2		HM66-50470LF	47	0.260	0.62	2				
HM66-30100LF	10	0.1283	1.00	2	2		HM66-50560LF	56	0.305	0.58	2				
HM66-30120LF	12	0.1316	0.84	2	2		HM66-50680LF	68	0.355	0.52	2				

Outline Dimensions (mm)

Figure 1

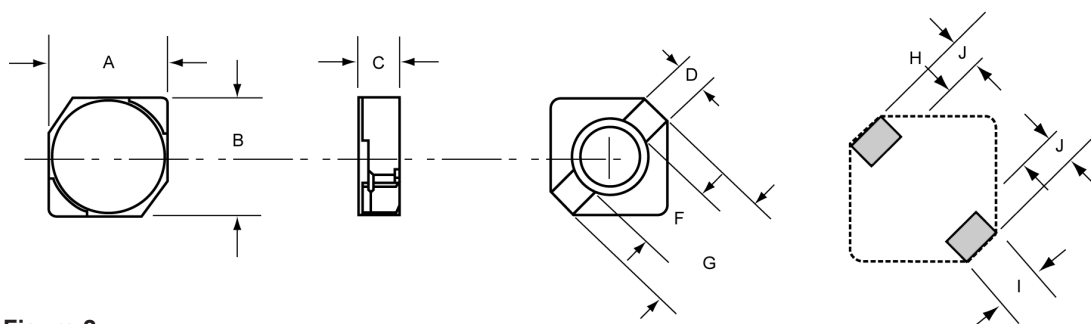


Figure 2

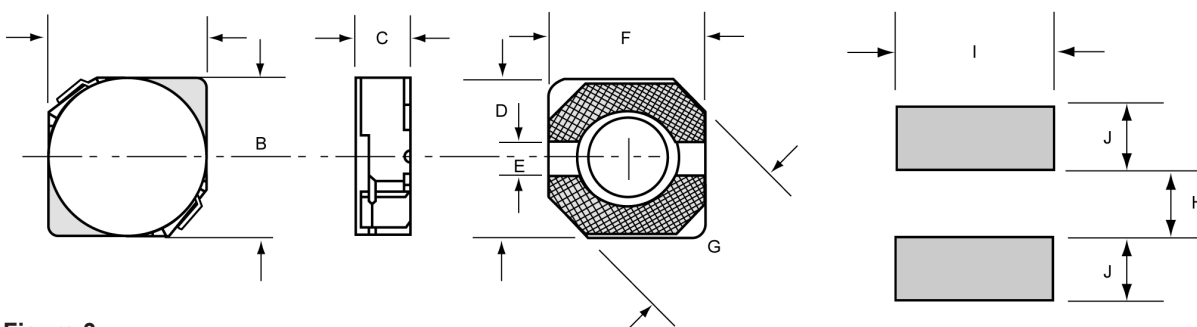


Figure 3

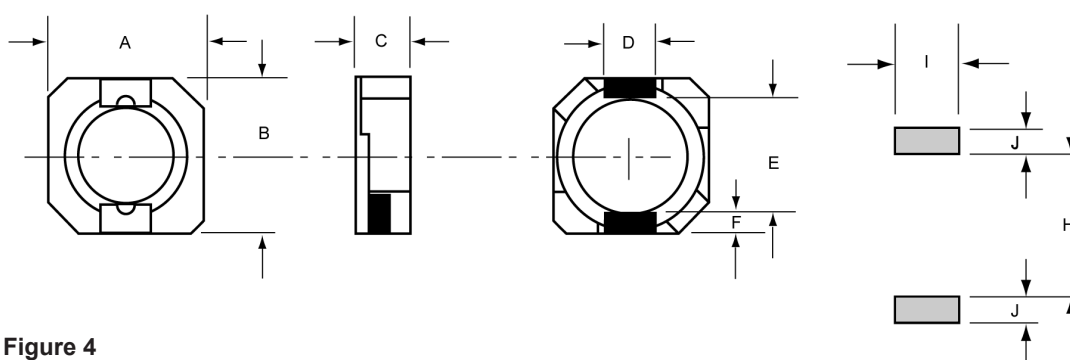
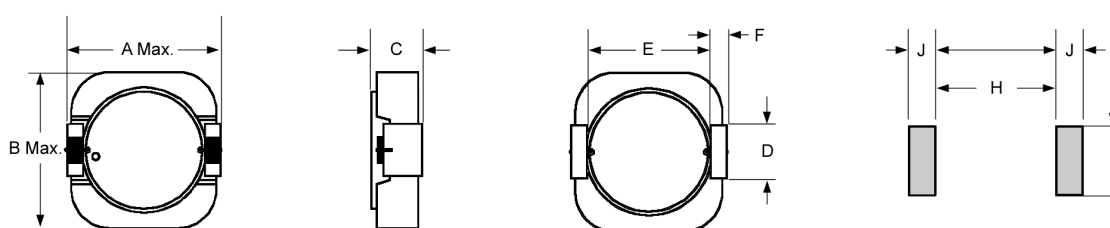


Figure 4



Case Size	Figure	A	B	C Max.	D	E	F	G Max.	H	I	J
10	1	3.8 ± 0.5	3.8 ± 0.5	1.8	1.15 ± 0.25	—	2.8 ± 0.1	5.2	2.4	1.55	1.4
15	2	3.8 ± 0.5	3.8 ± 0.5	1.85	3.8 ± 0.3	1.1 ± 0.15	3.8 ± 0.3	5.5	1.1	4.5	1.7
20	2	4.7 ± 0.5	4.7 ± 0.5	2.1	4.5 ± 0.3	1.5 ± 0.15	4.5 ± 0.3	6.9	1.5	5.3	1.9
30	2	4.7 ± 0.5	4.7 ± 0.5	3.0	4.5 ± 0.3	1.5 ± 0.15	4.5 ± 0.3	6.9	1.5	5.3	1.9
40	2	5.7 ± 0.5	5.7 ± 0.5	2.0	5.5 ± 0.3	2.0 ± 0.15	5.5 ± 0.3	8.2	2.0	6.3	2.15
50	2	5.7 ± 0.5	5.7 ± 0.5	3.0	5.5 ± 0.3	2.0 ± 0.15	5.5 ± 0.3	8.2	2.0	6.3	2.15
60	2	6.7 ± 0.5	6.7 ± 0.5	3.0	6.5 ± 0.3	2.0 ± 0.15	6.5 ± 0.3	9.5	2.0	7.3	2.65
62	4	6.7	6.2	2.0	2.0 ± 0.15	5.0 ± 0.3	0.6 ± 0.15	—	4.6	2.6	1.0
70	2	6.7 ± 0.5	6.7 ± 0.5	4.0	6.5 ± 0.3	2.0 ± 0.15	6.5 ± 0.3	9.5	2.0	7.3	2.65
80	3	10.0 ± 0.5	10.2 ± 0.5	4.0	3.0 ± 0.1	7.7 ± 0.3	1.2 ± 0.15	—	7.3	3.2	1.7