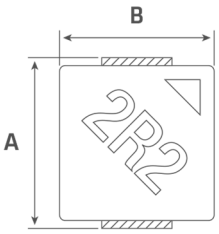
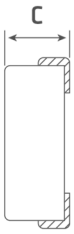
EMC6530S

Dimensions / Quantity

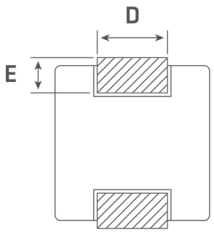
7.1 x 6.5 x 3.0 mm



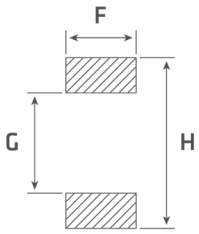
TOP



SIDE



BOTTOM



PAD

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Quantity per reel (pcs)
EMC4012S	4.3±0.3	4.0±0.3	1.2max.	2.0±0.2	0.8±0.3	2.5	2.1	5.2	4,500
EMC4020S	4.3±0.3	4.0±0.3	2.0max.	2.0±0.2	0.8±0.3	2.5	2.1	5.2	3,500
EMA5218S	5.4±0.3	5.2±0.2	1.8max.	2.2±0.3	1.2±0.3	2.5	2.2	6.0	2,000
EMA5230S	5.4±0.3	5.2±0.2	3.0max.	2.2±0.3	1.2±0.3	2.5	2.2	6.0	2,000
EMC6515S	5.4±0.3	6.5±0.3	1.5max.	3.0±0.3	1.27±0.3	3.5	3.8	8.0	2,000
EMC6518S	7.1±0.3	6.5±0.3	1.8max.	3.0±0.3	1.27±0.3	3.5	3.8	8.0	2,000
EMC6524S	7.1±0.3	6.5±0.3	2.4max.	3.0±0.3	1.27±0.3	3.5	3.8	8.0	1,500
EMC6530S	7.1±0.3	6.5±0.3	3.0max.	3.0±0.3	1.27±0.3	3.5	3.8	8.0	1,500
EMC6540S	7.1±0.3	6.5±0.3	4.0max.	3.0±0.3	1.27±0.3	3.5	3.8	8.0	1,000
EMA10040S	11.0±0.3	10.0±0.3	4.0max.	3.0±0.5	2.0±0.5	4.1	5.4	13.6	500
EMC13050S	13.5±0.3	12.7±0.3	5.0max.	3.0±0.3	2.2±0.3	4.5	8.0	14.8	500
EMC17075S	18.0±0.3	17.0±0.3	7.5max.	12.0±0.3	2.7±0.4	12.2	11.4	18.9	200

Part Number	Inductance [uH]	DC Resistance (typ., mΩ)	DC Resistance (max., mΩ)	Saturation Rated Current (max., A)[1]	Temperature Rise Current (typ., A)[2]
EMC6530S-R15M	0.15±20%	1.72	2.4	31.5	18.2
EMC6530S-R22M	0.22±20%	2.35	2.8	25.3	16.4
EMC6530S-R33M	0.33±20%	3.10	4.0	21.4	14.1
EMC6530S-R47M	0.47±20%	3.62	4.2	19.0	13.2
EMC6530S-R56M	0.56±20%	4.10	5.2	18.1	11.8
EMC6530S-R68M	0.68±20%	5.22	5.5	17.6	11.5
EMC6530S-R82M	0.82±20%	6.25	7.8	15.8	10.1
EMC6530S-1R0M	1.0±20%	7.36	9.7	14.1	9.1
EMC6530S-1R5M	1.5±20%	11.7	14.4	13.1	8.1
EMC6530S-2R2M	2.2±20%	17.0	19.0	10.6	6.1
EMC6530S-3R3M	3.3±20%	27.2	29.7	10.1	5.1
EMC6530S-4R7M	4.7±20%	38.3	41.6	5.6	4.0
EMC6530S-5R6M	5.6±20%	46.3	54.5	5.1	3.8
EMC6530S-6R8M	6.8±20%	55.0	64.4	4.2	3.5
EMC6530S-8R2M	8.2±20%	64.7	68.3	4.0	3.3
EMC6530S-100M	10.0±20%	68.5	95.0	3.8	2.8
EMC6530S-150M	15.0±20%	127.6	143.6	3.5	2.0
EMC6530S-220M	22.0±20%	162.2	178.2	2.2	1.5

- All Test Data is Referenced to 25°C Ambient
- Measuring Condition : 100kHz, 100mV
- Tolerance of Inductance : ± 20%
- 1 Saturation Rated Current : 30% lower than its initial value
- 2 Temperature Rise Current : ΔT = 40°C (Temperature of components should be checked in the end application)
- Operating Temperature : -55 ~ 125°C