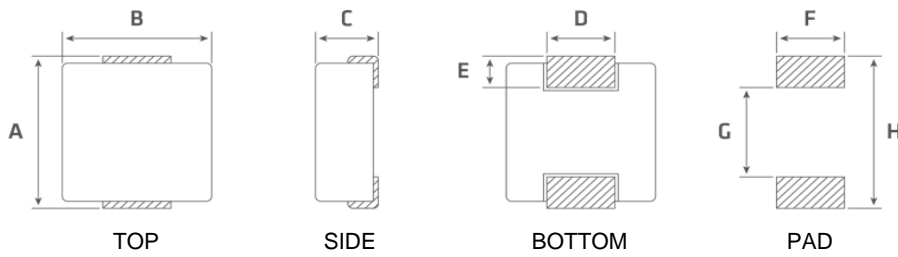


## • Dimension / Quantity



## EMC Series

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
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

## EMA Series

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Quantity per reel (pcs)
EMA4012S	4.4±0.35	4.20±0.25	1.2max	2.0±0.3	0.8±0.3	2.5	2.2	5.2	3,000
EMA4020S	4.4±0.35	4.20±0.25	2.0max	2.0±0.3	0.8±0.3	2.5	2.2	5.2	3,000
EMA5218S	5.4±0.3	5.2±0.2	1.8max	2.2±0.3	1.2±0.2	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±0.2	2.5	2.2	6.0	2,000
EMA6518S	7.0±0.3	6.6±0.2	1.8max	3.0±0.3	1.6±0.3	3.5	3.7	8.4	1,500
EMA6524S	7.0±0.3	6.6±0.2	2.4max	3.0±0.3	1.6±0.3	3.5	3.7	8.4	1,500
EMA6530S	7.0±0.3	6.6±0.2	3.0max	3.0±0.3	1.6±0.3	3.5	3.7	8.4	1,500
EMA6540S	7.0±0.3	6.6±0.2	4.0max	3.0±0.3	1.6±0.3	3.5	3.7	8.4	1,000
EMA7860S	8.1±0.3	7.8±0.2	6.0max	3.0±0.2	1.6±0.3	5.35	4.8	9.6	500
EMA10040S	11.5max	10.0±0.3	4.0max	3.0±0.5	2.0±0.5	3.3	9.0	13.6	500
EMA13050S	13.45±0.35	12.6±0.3	5.0max	3.8±0.5	2.0±0.5	5.0	8.0	14.5	500
EMA13060S	13.45±0.35	12.6±0.3	6.0max	5.0±0.5	2.0±0.5	5.5	8.0	14.5	500
EMA17070S	17.15±0.30	17.15max	7.0max	11.94±0.3	2.11±0.3	12.32	12.42	20.07	200

\* EMA13050S Dimension (D/F)

CODE	R22~2R2	3R3~101
D	3.8 ± 0.5	5.0 ± 0.2
F	5.0	5.5

# EMA13050S



13.45 x 12.6 x 5.0 mm

Part Number	Inductance [ $\mu$ H]	DC Resistance [typ., m $\Omega$ ]	DC Resistance [max., m $\Omega$ ]	Saturation Rated Current [max.,A] <sup>1</sup>	Temperature Rise Current [typ.,A] <sup>2</sup>
EMA13050S - R22M	0.22 $\pm$ 20%	0.50	0.70	82.0	42.0
EMA13050S - R36M	0.36 $\pm$ 20%	0.72	0.95	80.0	40.0
EMA13050S - R47M	0.47 $\pm$ 20%	0.80	1.10	62.0	37.0
EMA13050S - R68M	0.68 $\pm$ 20%	1.10	1.30	60.0	33.0
EMA13050S - R82M	0.82 $\pm$ 20%	1.00	1.80	48.0	30.0
EMA13050S - 1R0M	1.0 $\pm$ 20%	1.60	1.90	45.0	28.0
EMA13050S - 1R5M	1.5 $\pm$ 20%	2.80	3.30	38.0	22.0
EMA13050S - 2R2M	2.2 $\pm$ 20%	3.50	4.20	34.0	20.0
EMA13050S - 3R3M	3.3 $\pm$ 20%	6.50	7.80	25.0	17.0
EMA13050S - 4R7M	4.7 $\pm$ 20%	8.4	10.0	21.0	14.0
EMA13050S - 6R8M	6.8 $\pm$ 20%	14.5	18.0	16.5	11.0
EMA13050S - 8R2M	8.2 $\pm$ 20%	16.0	19.0	14.5	10.0
EMA13050S - 100M	10.0 $\pm$ 20%	19.0	22.0	12.5	9.0
EMA13050S - 150M	15.0 $\pm$ 20%	22.0	27.0	11.0	8.0
EMA13050S - 220M	22.0 $\pm$ 20%	33.7	40.4	8.0	6.5
EMA13050S - 330M	33.0 $\pm$ 20%	47.5	57.0	6.8	6.0
EMA13050S - 470M	47.0 $\pm$ 20%	81.0	97.2	6.0	4.5
EMA13050S - 680M	68.0 $\pm$ 20%	122.0	144.0	4.5	2.5
EMA13050S - 101M	100.0 $\pm$ 20%	210.0	230.0	4.0	2.2

- All Test Data is Referenced to 25°C Ambient
- Measuring Condition : 100kHz, 1.0V
- Tolerance of Inductance :  $\pm$  20%
- <sup>1</sup> Saturation Rated Current : 30% lower than its initial value
- <sup>2</sup> Temperature Rise Current :  $\Delta T = 40^\circ\text{C}$   
(Temperature of components should be checked in the end application)
- Operating Temperature : -55~125°C
- AEC-Q200 Qualified
- Absolute maximum 30VDC