

FEATURES

- High power handling capability:
- Small copper loss
- Using large saturation induction material
- Wide operating temperature range
- Use for high power VRMs application.
- High magnetic shield construction should actualize high resolution for EMC protection.
- Support lead-free soldering

APPLICATIONS

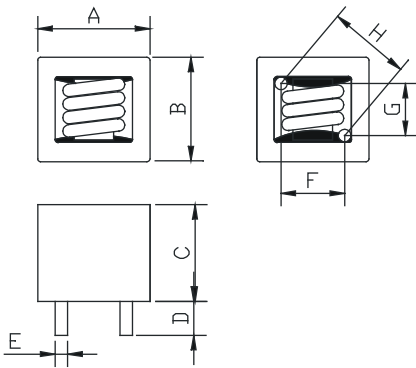
Desktop PC, Server, High class Graph card, VRMs, etc.

PRODUCT IDENTIFICATION

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 MSQ - 1211A - R30M □ □

- ① Product Code
- ② Dimensions Code
- ③ Inductance Code
- ④ Tolerance Code
- ⑤ Pattern Code

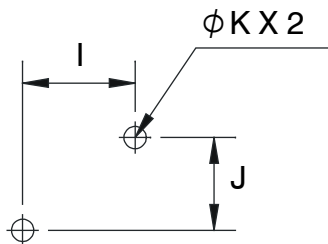
PRODUCT DIMENSIONS



NOTES: DIMENSION IN mm

Dimensions (mm)	MSQ-1211A		MSQ-1310		MSQ-131010A	
	R30~R56	R80~2R2	R30~R80	1R2~2R2	R30~R56	R80~2R2
A	11.5±0.5	11.5±0.5	12.5±0.5	12.5±0.5	12.5±0.5	12.5±0.5
B	10.8±0.5	10.8±0.5	11.5±0.5	11.5±0.5	9.7±0.5	9.7±0.5
C	10.5 Max.	10.5 Max.	10.2 Max.	10.2 Max.	10.2 Max.	10.2 Max.
D	3.5±0.5	3.5±0.5	3.5±0.50	3.5±0.50	3.5±0.50	3.5±0.50
E	φ1.5±0.1	1.1±0.1	φ1.5±0.1	φ1.3±0.1	φ1.5±0.1	φ1.3±0.1
F	6.0±0.5	6.9±0.5	7.4±0.5	7.7±0.5	7.5±0.5	7.65±0.5
G	5.0±0.5	5.65±0.5	6.2±0.5	6.6±0.5	4.7±0.5	4.7±0.5
H	8.5 Typ.	8.9 Typ.	9.65 Typ.	10.1 Typ.	8.85 Typ.	9.0 Typ.
I	6.0	6.9	7.4	7.7	7.5	7.65
J	5.0	5.65	6.2	6.6	4.7	4.7
K	1.8	1.4	1.8	1.6	1.8	1.6

LAND PATTERN



■ PRODUCT SPECIFICATION

Part No.	Inductance (μ H)	DC Resistance ($m\Omega$)			DC Current IDC1 (A)			DC Current IDC2 (A)		
		1211A	1310	131010A	1211A	1310	131010A	1211A	1310	131010A
R30	0.30	$0.72 \pm 8\%$	$0.75 \pm 8\%$	$0.75 \pm 8\%$	40.0	40.0	40.0	40.0	40.0	40.0
R56	0.56	$0.95 \pm 10\%$			40.0			30.0		
R60	0.60		$0.95 \pm 8\%$			40.0			40.0	
R80	0.80	$1.85 \pm 8\%$	$1.24 \pm 8\%$		40.0	40.0		26.5	30.0	
1R0	1.0	$1.85 \pm 8\%$			35.0			26.5		
1R2	1.2	$1.85 \pm 8\%$	$1.55 \pm 8\%$	$1.08 \pm 10\%$	35.0	35.0	30.0	26.5	28.0	34.0
1R5	1.5	$2.33 \pm 8\%$	$1.55 \pm 8\%$		35.0	35.0		25.0	28.0	
2R2	2.2	$2.33 \pm 8\%$			25.0			25.0		

1. TEST FREQ. (L): @ 100KHz/0.25V

2. TOLERANCE OF INDUCTANCE : $\pm 20\%$ (M)

3. IDC1 : Based on inductance change ($\Delta L/L_0$: $\leq -20\%$)

IDC2 : Based on temperature rise (ΔT : 40°C TYP)

Rated DC Current : The less value which is IDC1 or IDC2.