

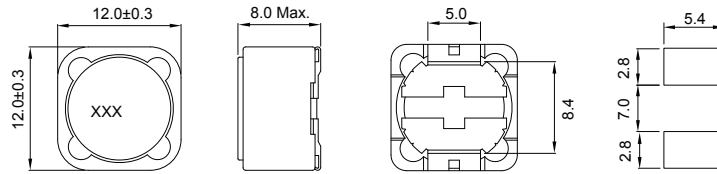
# CSS127P Series (SHIELDED)

## ■ SMD Wire Wound Power Inductors

### MECHANICAL DIMENSIONS



CSS127P



Recommended Patterns

unit: mm

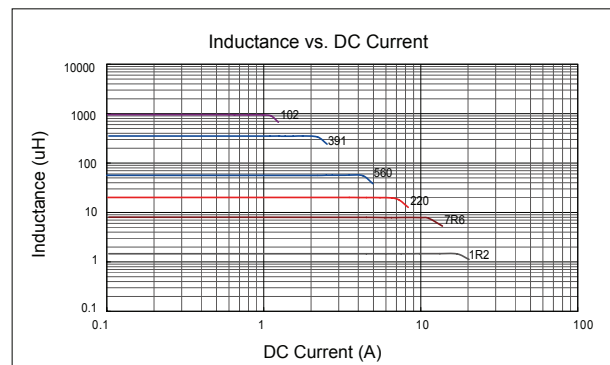
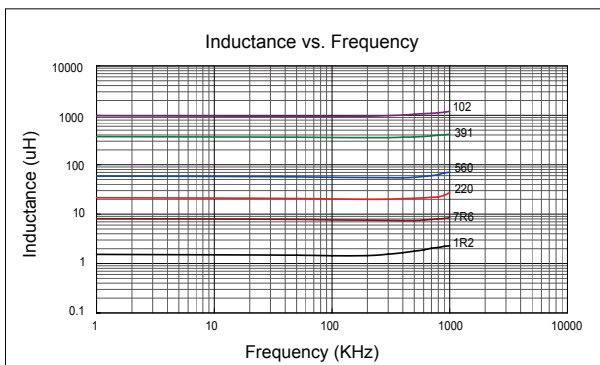
### ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μH)	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
CSS127P-1R2N-LRH	1R2	1.2+40%-20%	100	0.0070	9.80
CSS127P-2R4N-LRH	2R4	2.4+40%-20%	100	0.0115	8.00
CSS127P-3R5N-LRH	3R5	3.5+40%-20%	100	0.0135	7.50
CSS127P-4R7N-LRH	4R7	4.7+40%-20%	100	0.0158	6.80
CSS127P-6R1N-LRH	6R1	6.1+40%-20%	100	0.0176	6.60
CSS127P-7R6N-LRH	7R6	7.6+40%-20%	100	0.0200	5.90
CSS127P-100M-LRH	100	10±20%	1	0.0216	5.40
CSS127P-120M-LRH	120	12±20%	1	0.0243	4.90
CSS127P-150M-LRH	150	15±20%	1	0.0270	4.50
CSS127P-180M-LRH	180	18±20%	1	0.0392	3.90
CSS127P-220M-LRH	220	22±20%	1	0.0432	3.60
CSS127P-270M-LRH	270	27±20%	1	0.0459	3.40
CSS127P-330M-LRH	330	33±20%	1	0.0648	3.00
CSS127P-390M-LRH	390	39±20%	1	0.0729	2.75
CSS127P-470M-LRH	470	47±20%	1	0.1000	2.50
CSS127P-560M-LRH	560	56±20%	1	0.11	2.35
CSS127P-680M-LRH	680	68±20%	1	0.14	2.10
CSS127P-820M-LRH	820	82±20%	1	0.16	1.95
CSS127P-101M-LRH	101	100±20%	1	0.22	1.70
CSS127P-121M-LRH	121	120±20%	1	0.25	1.60
CSS127P-151M-LRH	151	150±20%	1	0.28	1.42
CSS127P-181M-LRH	181	180±20%	1	0.35	1.30
CSS127P-221M-LRH	221	220±20%	1	0.39	1.16
CSS127P-271M-LRH	271	270±20%	1	0.56	1.06
CSS127P-331M-LRH	331	330±20%	1	0.64	0.95
CSS127P-391M-LRH	391	390±20%	1	0.70	0.88
CSS127P-471M-LRH	471	470±20%	1	0.98	0.79
CSS127P-561M-LRH	561	560±20%	1	1.07	0.73
CSS127P-681M-LRH	681	680±20%	1	1.46	0.67
CSS127P-821M-LRH	821	820±20%	1	1.64	0.60
CSS127P-102M-LRH	102	1000±20%	1	1.82	0.55

- Tolerance: N=±30% ; M=±20% ; L=±15%
- Operating Temperature Range: -30°C to +100°C (Including self-generated heat)
- Inductance measured using the HP4284A ; Chroma3302+1320
- DCR measured using the 16502 milli-ohm meter
- Inductance drop no more than 35% of initial value at Isat, temperature rises Δt<40°C at rated current.
- Storage Temperature Range: -40°C to +85°C

### CHARACTERISTIC CURVE

#### CSS127P Series



SMD

Leaded