

# SMD POWER CHOKES - CSS105D (Shielded)

## A. Electrical Specification

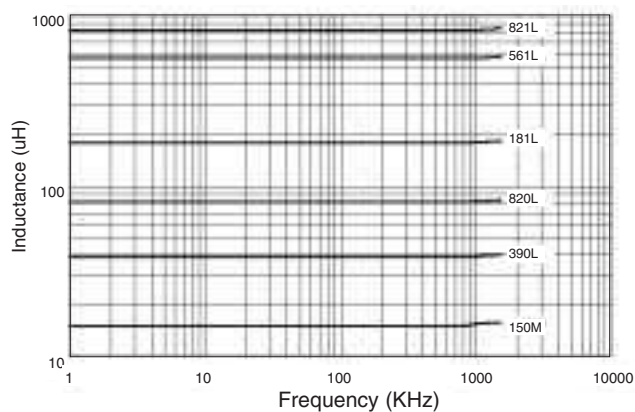
Part Number	Marking	L (uH)	Test Freq.	DCR (max.) (OHM)	I rms (A)
CSS105D-100M	100	10	100 KHz	0.05	2.65
CSS105D-120M	120	12	100 KHz	0.05	2.50
CSS105D-150M	150	15	100 KHz	0.06	2.45
CSS105D-180M	180	18	100 KHz	0.06	2.40
CSS105D-220M	220	22	100 KHz	0.07	2.20
CSS105D-270M	270	27	100 KHz	0.08	2.00
CSS105D-330M	330	33	100 KHz	0.10	1.80
CSS105D-390M	390	39	100 KHz	0.11	1.65
CSS105D-470M	470	47	100 KHz	0.12	1.50
CSS105D-560M	560	56	100 KHz	0.15	1.38
CSS105D-680M	680	68	100 KHz	0.17	1.26
CSS105D-820M	820	82	100 KHz	0.20	1.14
CSS105D-101M	101	100	10 KHz	0.25	1.05
CSS105D-121M	121	120	10 KHz	0.28	0.95
CSS105D-151M	151	150	10 KHz	0.40	0.85
CSS105D-181M	181	180	10 KHz	0.48	0.77
CSS105D-221M	221	220	10 KHz	0.52	0.70
CSS105D-271M	271	270	10 KHz	0.70	0.63
CSS105D-331M	331	330	10 KHz	0.80	0.57
CSS105D-391M	391	390	10 KHz	1.08	0.52
CSS105D-471M	471	470	10 KHz	1.20	0.48
CSS105D-561M	561	560	10 KHz	1.34	0.44
CSS105D-681M	681	680	10 KHz	1.78	0.40
CSS105D-821M	821	820	10 KHz	2.00	0.36



- Tolerance: M:± 20% , L:± 15%
- Operating Temp.: -25°C to +85°C.
- Inductance measured using the HP4284A LCR meter.
- DCR measured using the 502BC milli-ohm meter.
- Inductance drops no more than 10% at rated current applied or temperature rises  $\Delta t < 40^\circ\text{C}$ .

## B. Characteristic Curve

Inductance vs. Frequency



Inductance vs. Current

