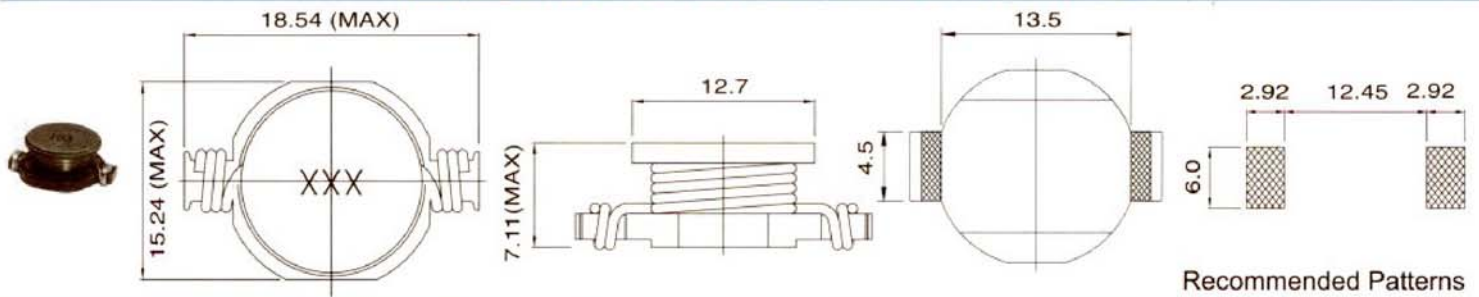


# SMD POWER CHOKES

## CSN136S SERIES (Unshielded)

### Mechanical Dimensions (Unit: mm)



Recommended Patterns

### Electrical Specification

Part Number	Marking	Inductance (uH)	Test Freq. (KHz)	DCR ( $\Omega$ ) max	Rated Current (A)	I sat. (A)
CSN136S-1R0M	102	1.0	100	0.009	8.60	20.0
CSN136S-2R2M	222	2.2	100	0.014	7.10	16.0
CSN136S-3R3M	332	3.3	100	0.018	6.20	14.0
CSN136S-5R6M	562	5.6	100	0.020	5.30	12.0
CSN136S-100M	103	10	100	0.031	4.30	10.0
CSN136S-150M	153	15	100	0.036	4.00	8.0
CSN136S-220M	223	22	100	0.047	3.50	7.0
CSN136S-330M	333	33	100	0.066	3.00	5.5
CSN136S-470M	473	47	100	0.086	2.60	4.5
CSN136S-680M	683	68	100	0.130	2.30	3.5
CSN136S-101M	104	100	100	0.190	1.80	3.0
CSN136S-151M	154	150	100	0.250	1.50	2.6
CSN136S-221M	224	220	100	0.380	1.20	2.4
CSN136S-331M	334	330	100	0.560	1.00	1.9
CSN136S-471M	474	470	100	0.850	0.82	1.4
CSN136S-681M	684	680	100	1.100	0.72	1.2
CSN136S-102M	105	1000	100	1.800	0.56	1.0

a Tolerance: M:  $\pm 20\%$ , L:  $\pm 15\%$ .

b Operating Temp.:  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

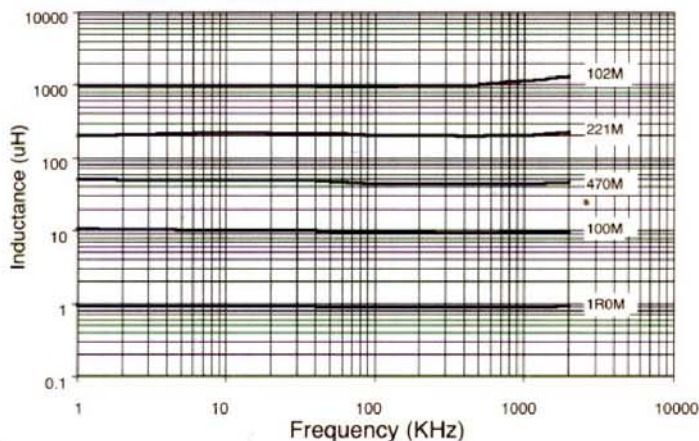
c Inductance measured using the HP4284A LCR meter.

d DCR measured using the 502BC milli-ohm meter.

e Inductance drops no more than 10% of initial value at I sat. temperature rises  $\Delta t < 40^{\circ}\text{C}$  at rated current.

### Characteristic Curve

Inductance vs. Frequency



Inductance vs. Current

