

Chokes

Drum Core Inductor

CBP1251

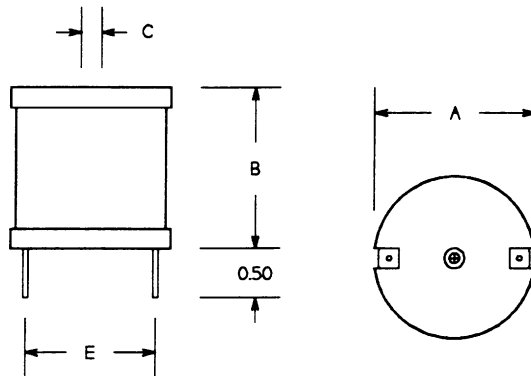


The CBP1251 series Inductors are wound on "Drum" style ferrite cores and are ideal for use as Input/Output filter Inductors in Switch Mode Power Supplies.

- High DC levels.
- Compact size.
- Low loss Ferrite material.
- Cost effective.
- Available with heat shrink vinyl cover.
- Other applications include:
Line Filters, Speaker
Crossover Networks, SCR
and Triac Controls etc.



MECHANICAL



Dimensions, Inches (mm)

A	B	C	E
0.66	0.84	Hole to clear No. 4/40 screw	See Electrical Specs. table.

ELECTRICAL SPECIFICATION

Part No.	Ind. (1) ± 10% (µH)	Max DCR (Ω)	I DC (2) (Amp) DC	I Rated (3) (Amp) RMS	E (Nom.)
CBP1251-10G	1.0	0.003	87.0	9.0	0.55
CBP1251-12G	1.2	0.003	68.0	9.0	0.55
CBP1251-15G	1.5	0.004	56.0	9.0	0.55
CBP1251-18G	1.8	0.004	56.0	9.0	0.55
CBP1251-22G	2.2	0.005	47.0	9.0	0.55
CBP1251-27G	2.7	0.005	47.0	9.0	0.55
CBP1251-33G	3.3	0.005	40.0	9.0	0.55
CBP1251-39G	3.9	0.006	36.0	9.0	0.55
CBP1251-47G	4.7	0.007	32.0	9.0	0.55
CBP1251-56G	5.6	0.007	29.0	9.0	0.55
CBP1251-68G	6.8	0.008	26.0	9.0	0.55
CBP1251-82G	8.2	0.009	24.5	9.0	0.55
CBP1251-110	10.2	0.010	21.2	9.0	0.55
CBP1251-120	12.0	0.011	19.0	9.0	0.55
CBP1251-150	15.0	0.015	17.5	7.2	0.50
CBP1251-180	18.0	0.016	16.5	7.2	0.50
CBP1251-220	22.0	0.020	15.8	5.5	0.50
CBP1251-270	27.0	0.030	14.4	4.5	0.50
CBP1251-330	33.0	0.040	13.2	4.0	0.41
CBP1251-390	39.0	0.046	11.8	4.0	0.47

Part No.	Ind. (1) ± 10% (µH)	Max DCR (Ω)	I DC (2) (Amp) DC	I Rated (3) (Amp) RMS	E (Nom.)
CBP1251-470	47.0	0.062	11.0	2.8	0.47
CBP1251-560	56.0	0.069	10.0	2.8	0.48
CBP1251-680	68.0	0.077	8.9	2.8	0.50
CBP1251-820	82.0	0.083	8.2	2.8	0.50
CBP1251-101	100.0	0.095	7.5	2.8	0.50
CBP1251-121	120.0	0.013	5.8	2.0	0.48
CBP1251-151	150.0	0.081	5.6	1.6	0.48
CBP1251-181	180.0	0.217	5.1	1.6	0.48
CBP1251-221	220.0	0.240	4.3	1.6	0.48
CBP1251-271	270.0	0.300	4.1	1.6	0.48
CBP1251-331	330.0	0.336	3.8	1.3	0.48
CBP1251-391	390.0	0.460	3.3	1.0	0.48
CBP1251-471	470.0	0.636	3.2	0.8	0.45
CBP1251-561	560.0	0.696	2.9	0.8	0.45

NOTES

- 1) Tolerances on values below 10 µH are ± 20%.
- 2) I DC is the current for which the Inductance is reduced by appr. %5 of its initial value.
- 3) I RATED is the current (RMS), limited by the copper loss and the gauge of the wire in the winding.