

# Chokes

# Drum Core Inductor

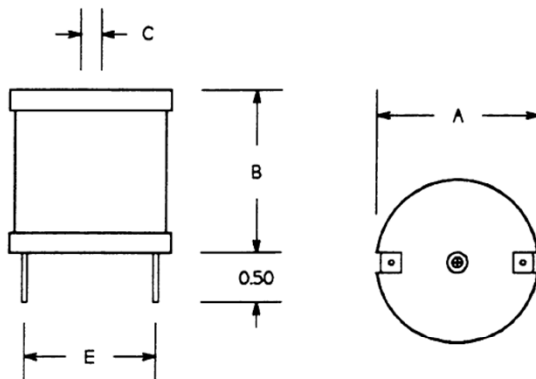
# CBP1252

The CBP1252 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
0.83	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.)
CBP1252-22G	2.2	0.004	68.0	11.4	0.62
CBP1252-27G	2.7	0.005	58.0	11.4	0.62
CBP1252-33G	3.3	0.005	58.0	11.4	0.62
CBP1252-39G	3.9	0.005	50.0	11.4	0.62
CBP1252-47G	4.7	0.005	50.0	11.4	0.62
CBP1252-56G	5.6	0.006	44.0	11.4	0.62
CBP1252-68G	6.8	0.007	39.0	11.4	0.62
CBP1252-82G	8.2	0.007	36.0	11.4	0.62
CBP1252-100	10.0	0.009	30.0	11.4	0.62
CBP1252-120	12.0	0.009	27.0	11.4	0.62
CBP1252-150	15.0	0.013	25.0	9.0	0.63
CBP1252-180	18.0	0.018	22.0	7.2	0.63
CBP1252-220	22.0	0.019	21.0	7.2	0.63
CBP1252-270	27.0	0.026	20.0	5.5	0.55
CBP1252-330	33.0	0.029	18.6	5.6	0.55
CBP1252-390	39.0	0.030	17.0	5.5	0.59
CBP1252-470	47.0	0.035	15.1	5.5	0.63
CBP1252-560	56.0	0.039	13.6	5.5	0.63
CBP1252-680	68.0	0.053	12.7	4.8	0.66
CBP1252-820	82.0	0.060	11.3	4.8	0.66

Part No.	Ind. (1) ± 10% (µH)	Max DCR (Ω)	I DC (2) (Amp) DC	I Rated (3) (Amp) RMS	E (Nom.)
CBP1252-101	100.0	0.080	10.4	4.0	0.59
CBP1252-121	120.0	0.090	9.4	4.0	0.59
CBP1252-151	150.0	0.098	8.6	4.0	0.59
CBP1252-181	180.0	0.110	7.8	4.0	0.67
CBP1252-221	220.0	0.150	7.0	2.8	0.59
CBP1252-271	270.0	0.213	6.3	2.0	0.56
CBP1252-331	330.0	0.305	5.2	1.6	0.59
CBP1252-391	390.0	0.320	4.9	1.6	0.59
CBP1252-471	470.0	0.355	4.5	1.6	0.59
CBP1252-561	560.0	0.388	4.1	1.6	0.59
CBP1252-681	680.0	0.430	3.7	1.6	0.59
CBP1252-821	820.0	0.590	3.4	1.3	0.59
CBP1252-102	1000.0	0.818	3.1	1.0	0.59
CBP1252-122	1200.0	1.140	2.7	0.8	0.59
CBP1252-152	1500.0	1.260	2.4	0.8	0.59
CBP1252-182	1800.0	1.390	2.2	0.8	0.59
CBP1252-222	2200.0	1.540	2.0	0.8	0.59

## 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.