

# Chokes

# Drum Core Inductor

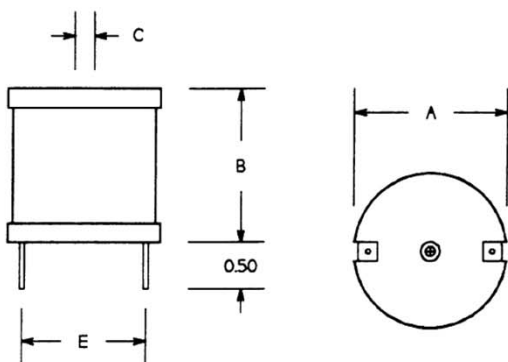
# CBP1256

The CBP1256 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
2.00	1.50	Hole to clear No. 8/32 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.)
CBP1256-47G	4.7	0.002	149.0	35.0	1.40
CBP1256-56G	5.6	0.002	122.0	35.0	1.40
CBP1256-68G	6.8	0.003	103.0	35.0	1.40
CBP1256-82G	8.2	0.003	90.0	35.0	1.40
CBP1256-100	10.0	0.003	79.0	35.0	1.48
CBP1256-120	12.0	0.004	71.0	35.0	1.48
CBP1256-150	15.0	0.004	64.0	35.0	1.48
CBP1256-180	18.0	0.005	58.0	27.0	1.48
CBP1256-220	22.0	0.005	54.0	27.0	1.48
CBP1256-270	27.0	0.006	50.0	27.0	1.48
CBP1256-330	33.0	0.006	46.0	27.0	1.48
CBP1256-390	39.0	0.006	43.0	27.0	1.48
CBP1256-470	47.0	0.008	41.0	27.0	1.48
CBP1256-560	56.0	0.009	36.0	21.0	1.48
CBP1256-680	68.0	0.009	32.0	21.0	1.48
CBP1256-820	82.0	0.010	30.0	21.0	1.48
CBP1256-101	100.0	0.014	26.0	27.0	1.53
CBP1256-121	120.0	0.015	24.0	27.0	1.53
CBP1256-151	150.0	0.023	21.0	21.0	1.49
CBP1256-181	180.0	0.025	19.5	21.0	1.49
CBP1256-221	220.0	0.028	18.0	21.0	1.49
CBP1256-271	270.0	0.030	16.0	21.0	1.49
CBP1256-331	330.0	0.040	14.8	17.0	1.49
CBP1256-391	390.0	0.055	13.6	13.5	1.31

Part No.	Ind. (1) ± 10% (µH)	Max DCR (Ω)	I DC (2) (Amp) DC	I Rated (3) (Amp) RMS	E (Nom.)
CBP1256-471	470.0	0.061	12.3	13.5	1.31
CBP1256-561	560.0	0.068	11.3	13.5	1.40
CBP1256-681	680.0	0.094	10.3	11.4	1.42
CBP1256-821	820.0	0.104	9.4	11.4	1.42
CBP1256-102	1000.0	0.143	8.5	9.0	1.36
CBP1256-122	1200.0	0.156	7.7	9.0	1.36
CBP1256-152	1500.0	0.219	6.8	7.2	1.31
CBP1256-182	1800.0	0.241	6.3	7.2	1.31
CBP1256-222	2200.0	0.270	5.7	7.2	1.40
CBP1256-272	2700.0	0.364	5.1	5.5	1.36
CBP1256-332	3300.0	0.498	4.6	4.5	1.24
CBP1256-392	3900.0	0.548	4.2	4.5	1.32
CBP1256-472	4700.0	0.608	3.9	4.5	1.32
CBP1256-562	5600.0	0.671	3.5	4.5	1.36
CBP1256-682	6800.0	0.750	3.2	4.5	1.40
CBP1256-822	8200.0	1.030	2.9	4.0	1.45

### 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.