

# Chokes

# Drum Core Inductor

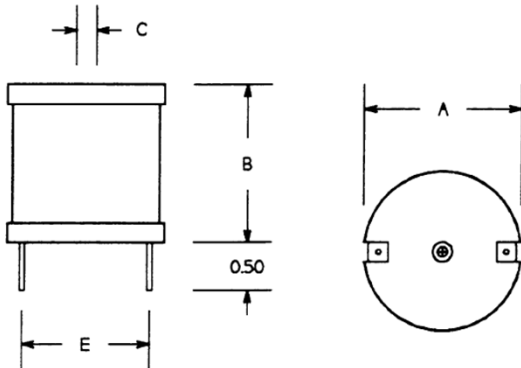
# CBP1254

The CBP1254 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
1.60	1.05	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.)
CBP1254-33G	3.3	0.003	115.0	27.0	1.11
CBP1254-39G	3.9	0.003	95.0	27.0	1.11
CBP1254-47G	4.7	0.003	95.0	27.0	1.11
CBP1254-56G	5.6	0.004	79.0	27.0	1.11
CBP1254-68G	6.8	0.004	79.0	27.0	1.11
CBP1254-82G	8.2	0.004	69.0	27.0	1.11
CBP1254-100	10.0	0.005	61.0	27.0	1.11
CBP1254-120	12.0	0.005	55.0	27.0	1.11
CBP1254-150	15.0	0.006	49.0	27.0	1.11
CBP1254-180	18.0	0.008	41.0	27.0	1.11
CBP1254-220	22.0	0.009	38.0	21.0	1.11
CBP1254-270	27.0	0.010	36.0	21.0	1.15
CBP1254-330	33.0	0.011	31.0	21.0	1.15
CBP1254-390	39.0	0.012	20.0	21.0	1.15
CBP1254-470	47.0	0.018	30.2	14.4	1.14
CBP1254-560	56.0	0.019	26.1	14.4	1.14
CBP1254-680	68.0	0.021	24.4	14.4	1.14
CBP1254-820	82.0	0.023	22.4	14.4	1.14
CBP1254-101	100.0	0.025	20.0	14.4	1.14
CBP1254-121	120.0	0.028	18.0	14.4	1.19
CBP1254-151	150.0	0.040	16.4	11.4	1.13
CBP1254-181	180.0	0.045	14.6	11.4	1.13
CBP1254-221	220.0	0.050	13.2	11.4	1.13
CBP1254-271	270.0	0.056	11.8	11.4	1.16
CBP1254-331	330.0	0.074	11.4	9.0	1.13
CBP1254-391	390.0	0.082	10.9	7.2	1.19
CBP1254-471	470.0	0.114	9.2	7.2	1.13
CBP1254-561	560.0	0.125	8.3	7.2	1.13
CBP1254-681	680.0	0.139	7.6	7.2	1.13
CBP1254-821	820.0	0.154	6.8	7.2	1.19
CBP1254-102	1000.0	0.122	6.2	5.5	1.06
CBP1254-122	1200.0	0.232	5.7	5.5	1.16
CBP1254-152	1500.0	0.324	5.1	4.5	1.16
CBP1254-182	1800.0	0.360	4.6	4.5	1.16
CBP1254-222	2200.0	0.494	4.2	4.0	1.06
CBP1254-272	2700.0	0.555	3.8	4.0	1.06
CBP1254-332	3300.0	0.773	3.4	2.8	1.06
CBP1254-392	3900.0	0.845	3.1	2.8	1.13
CBP1254-472	4700.0	1.140	2.9	2.0	1.11
CBP1254-562	5600.0	1.600	2.5	2.0	1.11

### 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.