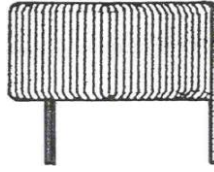


CONSTRUCTION

Wound in a single layer, to give minimum self-capacitance and making the leadout positions ideal for horizontal self-leaded mounting onto the pcb.

Lead length 15mm, Tinned length 10mm

**SUMMARY**

Common-mode noise results from interference currents flowing from line to earth or neutral to earth. A major cause of these interference currents is leakage capacitance from direct-off-line power supply semiconductor switches to an earthed heatsink.

The particular nature of this interference, from L-E and N-E but not from L-N, allows the use of phase-cancelling "bucking" windings, arranged so that the main phase currents are cancelled and give no line-frequency magnetisation of the core.

This allows the use of high permeability ferrite cores, to give the mH inductance needed to give effective filtering with the small values of "Y" capacitors needed to meet earth-leakage current requirements.

All chokes in this range are based on ferrite toroids, for low flux-leakage, and use grades of ferrite selected to give maximum inductance.

Current Ic amps	Inductance L0 mh/phase	Resistance DCR ohms/phase	Part number	Dimensions		Leadout type		Weight kg
				diameter mm.	height mm.	number	mounting	
3	7.3	0.094	WB25681-253H	27	12	4	horizontal	0.019
3.5	5.8	0.068	WB25681-260H	27	12	4	horizontal	0.019
4	4.6	0.048	WB25681-265H	28	12	4	horizontal	0.02
4	10.3	0.077	WB31681-265H	35	16	4	horizontal	0.037
4.5	4.2	0.039	WB25681-270H	28	12	4	horizontal	0.02
4.5	9	0.062	WB31681-270H	35	16	4	horizontal	0.037
5	4.2	0.038	WB25681-270H	28	12	4	horizontal	0.021
5	7.8	0.053	WB31681-276H	35	16	4	horizontal	0.038
6	2.8	0.023	WB25681-284H	29	14	4	horizontal	0.021
6	6.2	0.037	WB31681-284H	35	16	4	horizontal	0.039
6	9.6	0.05	WB36681-280H	40	19	4	horizontal	0.055
7	2.2	0.016	WB25681-300H	29	14	4	horizontal	0.022
7	4.7	0.026	WB31681-300H	36	17	4	horizontal	0.039
7	7.7	0.036	WB36681-290H	40	19	4	horizontal	0.057
8	2	0.014	WB25681-307H	30	14	4	horizontal	0.022
8	4.3	0.022	WB31681-304H	36	17	4	horizontal	0.04
8	6.6	0.03	WB36681-300H	40	19	4	horizontal	0.057
8	9.4	0.037	WB42681-301H	47	23	4	horizontal	0.11
9	1.7	0.012	WB25681-312H	30	15	4	horizontal	0.022
9	3.5	0.016	WB31681-310H	36	17	4	horizontal	0.041
9	5.5	0.022	WB36681-305H	41	20	4	horizontal	0.059
9	8.1	0.028	WB42681-307H	47	23	4	horizontal	0.11
10	1.5	0.01	WB25681-317H	30	15	4	horizontal	0.022
10	3.1	0.013	WB31681-315H	36	17	4	horizontal	0.041
10	4.6	0.018	WB36681-310H	41	20	4	horizontal	0.059
10	6.8	0.023	WB42681-311H	48	23	4	horizontal	0.11
11	1.3	0.008	WB25681-315H	30	15	4	horizontal	0.023
11	2.8	0.011	WB31681-319H	36	17	4	horizontal	0.043
11	4.1	0.015	WB36681-315H	41	20	4	horizontal	0.06
11	6.2	0.02	WB42681-316H	48	23	4	horizontal	0.11

Current Ic amps	Inductance L0 mh/phase	Resistance DCR ohms/phase	Part number	Dimensions		Leadout type		Weight kg
				diameter mm.	height mm.	number	mounting	
12	1.1	0.0065	WB25681-323H	30	15	4	horizontal	0.023
12	2.4	0.0095	WB31681-322H	36	17	4	horizontal	0.043
12	3.7	0.013	WB36681-320H	41	20	4	horizontal	0.061
12	5.6	0.017	WB42681-321H	48	23	4	horizontal	0.11
13	0.86	0.0053	WB25681-343H	30	15	4	horizontal	0.023
13	2.1	0.008	WB31681-343H	36	17	4	horizontal	0.044
13	3.3	0.011	WB36681-325H	42	21	4	horizontal	0.062
13	5.2	0.014	WB42681-326H	49	24	4	horizontal	0.11
15	0.55	0.0043	WB25681-351H	30	15	4	horizontal	0.021
15	1.6	0.0061	WB31681-362H	36	17	4	horizontal	0.043
15	2.6	0.0086	WB36681-340H	42	21	4	horizontal	0.062
15	4.7	0.012	WB42681-344H	49	24	4	horizontal	0.11
16	1.3	0.0056	WB31681-366H	36	17	4	horizontal	0.042
16	2.2	0.007	WB36681-348H	42	21	4	horizontal	0.064
16	4.2	0.01	WB42681-353H	49	24	4	horizontal	0.11
18	2	0.0057	WB36681-364H	43	21	4	horizontal	0.065
18	3.3	0.077	WB42681-364H	49	25	4	horizontal	0.11
18	5.8	0.011	WB43681-363H	49	43	4	horizontal	0.2
20	1.2	0.0045	WB36681-368H	43	21	4	horizontal	0.06
20	2.2	0.0063	WB42681-372H	49	25	4	horizontal	0.11
20	4.4	0.01	WB43681-374H	49	43	4	horizontal	0.2
25	1.3	0.004	WB42682-397H	48	23	8	horizontal	0.11
25	2.6	0.0064	WB43682-396H	48	42	8	horizontal	0.2
30	1.1	0.0028	WB42682-416H	49	24	8	horizontal	0.11
30	2.1	0.0044	WB43682-417H	49	43	8	horizontal	0.2
35	0.83	0.0022	WB42682-445H	49	24	8	horizontal	0.11
35	1.7	0.0035	WB43682-446H	49	43	8	horizontal	0.2
40	0.63	0.0017	WB42682-478H	49	25	8	horizontal	0.11
40	1.3	0.0027	WB43682-476H	49	43	8	horizontal	0.2