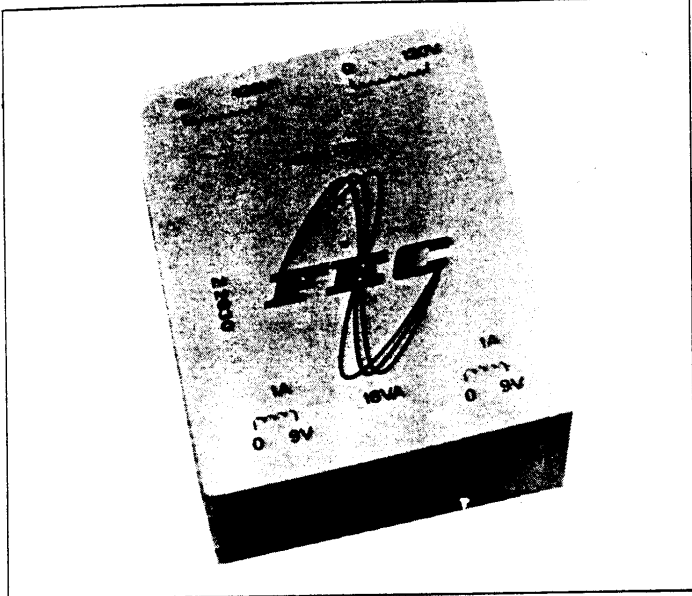


149158-178380

# BBH Transformers

## low profile encapsulated

120/240V Primary

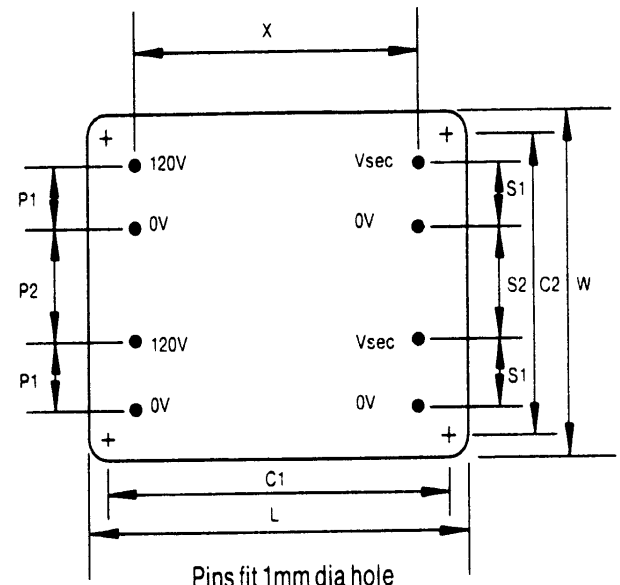


A range of low profile mains transformers suitable for use in compact or slimline equipment where space is at a premium. The transformers are mounted in resin filled thermoplastic cases and are designed to be through hole soldered to PCB's. Mechanical fixing is by way of 4xNo.6 screws using holes moulded into the corners of the case.

The twin primary and secondary windings are wound on separate bobbins giving maximum isolation for enhanced safety and low capacitive coupling. The near circular shape of the transformer core results in low magnetic flux leakage. The transformer primaries can be connected in series for 240V ac input and similarly the two secondary windings can be connected to give various voltage/current output combinations.

All transformers are subjected to 4kV ac insulation tests and manufactured to IEC65 Class 2, VDE 0550 Class 2, BS415 Class 2 and Insulation classification E 120°C. Secondary voltage tolerance within 5% at full load.

### Outline drawing



Pins fit 1mm dia hole

### Dimensions (refer to drawing)

VA Rating	Overall Size			Fixing Centres		Pin Configuration					Weight grams
	L	W	H	C1	C2	P1	P2	S1	S2	X	
2.0	53	44	17	47.5	37.5	10	15	5	25	35	115
4.0	53	44	19	47.5	37.5	10	15	5	25	35	145
6.0	53	44	22.6	47.5	37.5	10	15	5	25	35	175
10.0	68	57	22.8	62.5	50	15	15	10	26	45	280
18.0	68	57	27.6	62.5	50	15	15	10	26	45	375
30.0	68	57	35.8	62.5	50	15	15	10	26	45	515

H. EXCLUDES PINS

2VA-34% typical regulation	Order Code	10VA-26% typical regulation	Order Code
	FEC BBH		FEC BBH
1VA per secondary winding		5VA per secondary winding	
0-6V, 0-6V @ 0.17A	149-158 Z2594	0-6V, 0-6V @ 0.83A	178-371 Z2615
0-9V, 0-9V @ 0.11A	149-159 Z2595	0-9V, 0-9V @ 0.55A	149-168 Z2616
0-12V, 0-12V @ 0.085A	149-160 Z2596	0-12V, 0-12V @ 0.42A	149-169 Z2617
0-15V, 0-15V @ 0.06A	178-363 Z2597	0-15V, 0-15V @ 0.335A	149-170 Z2618
0-18V, 0-18V @ 0.056A	178-364 Z2598	0-18V, 0-18V @ 0.28A	178-372 Z2619
0-24V, 0-24V @ 0.042A	178-365 Z2599	0-24V, 0-24V @ 0.21A	178-373 Z2620
4VA-24% typical regulation		18VA-17% typical regulation	
2VA per secondary winding		9VA per secondary winding	
0-6V, 0-6V @ 0.33A	149-161 Z2601	0-6V, 0-6V @ 1.5A	178-374 Z2629
0-9V, 0-9V @ 0.22A	149-162 Z2602	0-9V, 0-9V @ 1A	149-171 Z2630
0-12V, 0-12V @ 0.165A	149-163 Z2603	0-12V, 0-12V @ 0.75A	149-172 Z2631
0-15V, 0-15V @ 0.134A	178-366 Z2604	0-15V, 0-15V @ 0.6A	149-980 Z2632
0-18V, 0-18V @ 0.11A	178-367 Z2605	0-18V, 0-18V @ 0.5A	178-375 Z2633
0-24V, 0-24V @ 0.083A	178-368 Z2606	0-24V, 0-24V @ 0.375A	178-376 Z2634
6VA-22% typical regulation		30VA-16% typical regulation	
3VA per secondary winding		15VA per secondary winding	
0-6V, 0-6V @ 0.5A	178-369 Z2608	0-6V, 0-6V @ 2.5A	178-377 Z2643
0-9V, 0-9V @ 0.33A	149-164 Z2609	0-9V, 0-9V @ 1.6A	177-157 Z2644
0-12V, 0-12V @ 0.25A	149-165 Z2610	0-12V, 0-12V @ 1.25A	177-158 Z2645
0-15V, 0-15V @ 0.2A	149-166 Z2611	0-15V, 0-15V @ 1A	178-378 Z2646
0-18V, 0-18V @ 0.165A	149-167 Z2612	0-18V, 0-18V @ 0.83A	178-379 Z2647
0-24V, 0-24V @ 0.125A	178-370 Z2613	0-24V, 0-24V @ 0.625A	178-380 Z2648