



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



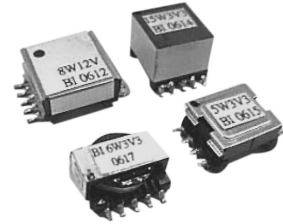
## Electrical / Environmental

- Operating Temperature Range -40°C to +125°C
- Power Rating 5W to 40W
- Topology Flyback
- Isolation Voltage 1500Vrms



# HM110

## High Frequency Surface Mount Power Over Ethernet Transformers



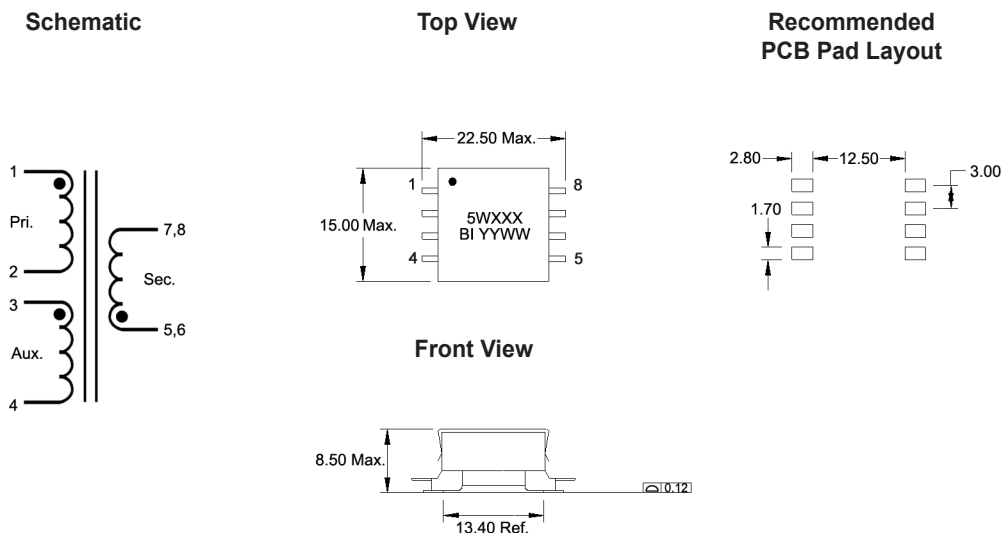
### Specifications @ 25°C

Part Number	Power Rating (W)	Output <sup>(1)</sup>		Turns Ratio			Inductance 100kHz, 0.1V @ 0A	Leakage Inductance <sup>(2)</sup> 100kHz, 0.1V	Peak Pri. Current (A <sub>dc</sub> )	DCR mΩ Max.			Fig.
		V <sub>o</sub> (V)	I <sub>o</sub> (A)	Pri.	Sec.	Aux.	μH Typ.	μH Typ.		Pri.	Sec.	Aux.	
HM110-5W3V3LF	5	3.3	1.52	1	0.156	0.578	180	1.50	0.65	600	16.0	600	1
HM110-5W5VLF	5	5	1.0	1	0.244	0.578	180	1.40	0.65	600	40.0	600	1
HM110-5W12VLF	5	12	0.42	1	0.578	0.578	180	1.50	0.65	600	213	600	1
HM110-6W3V3LF	6	3.3	2.0	1	0.100	0.400	120	1.50	0.65	600	7.0	250	2
HM110-8W3V3LF	8	3.3	2.42	1	0.176	0.588	100	1.00	1.00	255	8.0	500	3
HM110-8W5VLF	8	5	1.6	1	0.265	0.588	100	1.00	1.00	255	15.0	500	3
HM110-8W12VLF	8	12	0.66	1	0.588	0.588	100	1.00	1.00	255	75.0	500	3
HM110-15W3V3LF	15	3.3	4.55	1	0.143	0.500	70	1.00	1.65	123	8.5	360	4
HM110-15W5VLF	15	5	3.0	1	0.250	0.500	70	0.81	1.65	123	10.5	360	4
HM110-15W12VLF	15	12	1.25	1	0.500	0.500	70	1.00	1.65	123	42.0	360	4
HM110-30W5VLF	30	5	6.0	1	0.125	0.375	38	1.50	3.00	75	4.5	127	5
HM110-40W5VLF	40	5	8.0	1	0.158	0.368	30	1.50	4.00	65	3.0	127	6

Notes: (1) The switching frequency of the transformer is 250kHz.  
(2) Leakage inductance is measured at primary with all other windings shorted.

### Outline Dimensions (mm) / Schematics

Figure 1



## Outline Dimensions (mm) / Schematics (Cont'd)

Figure 2

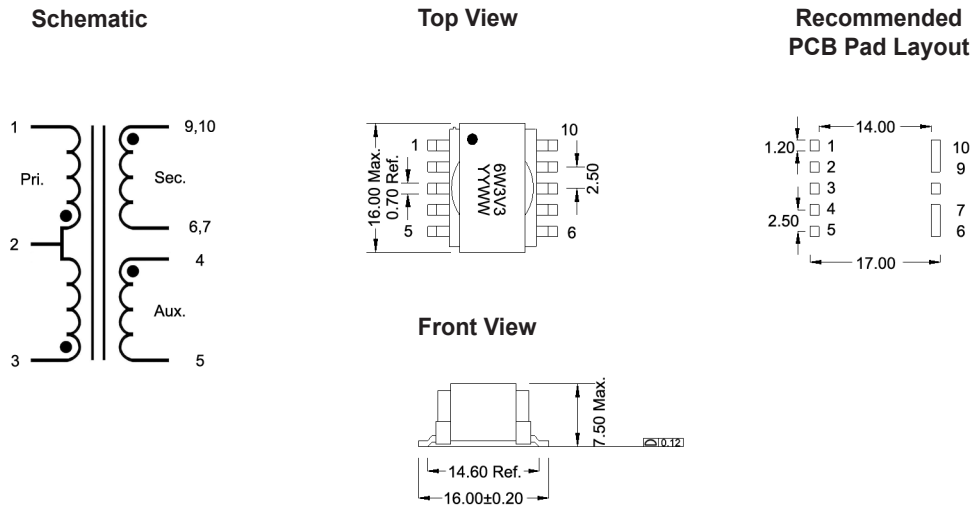


Figure 3

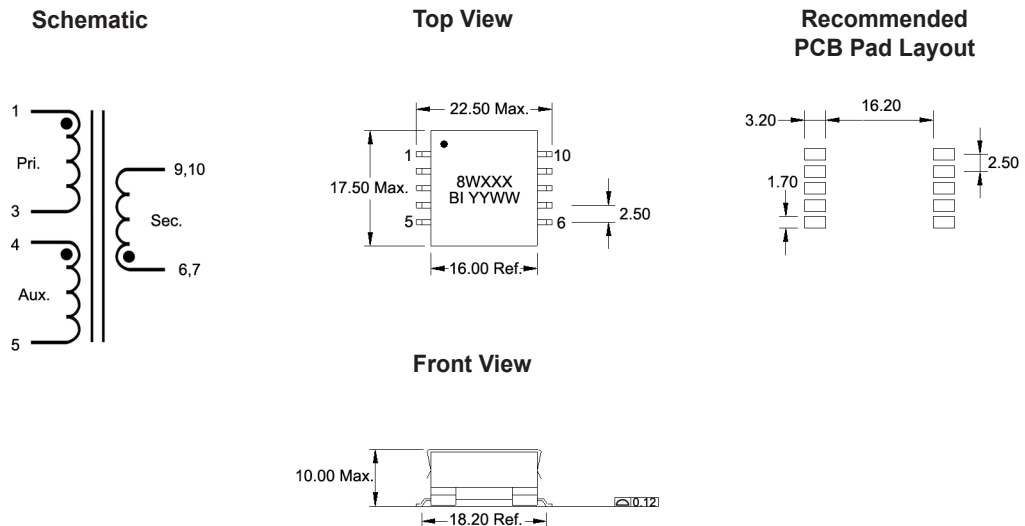
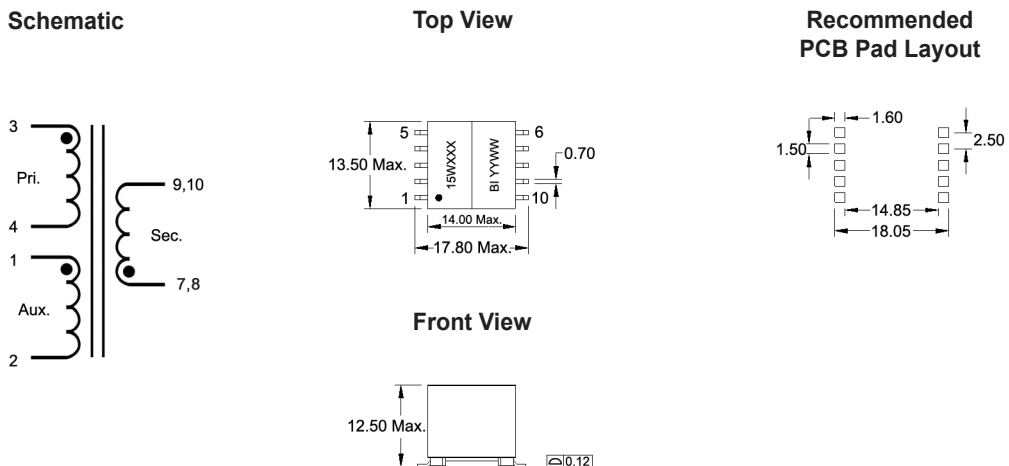


Figure 4



## Outline Dimensions (mm) / Schematics (Cont'd)

Figure 5

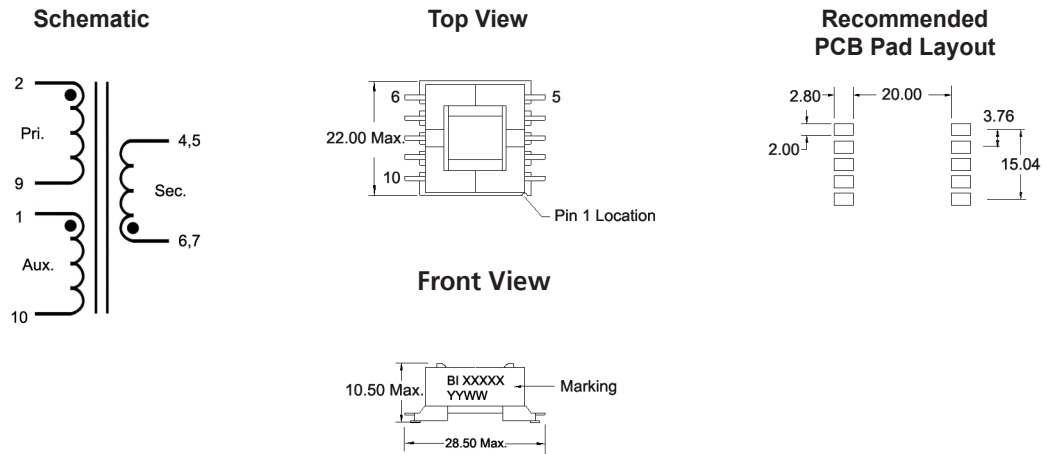
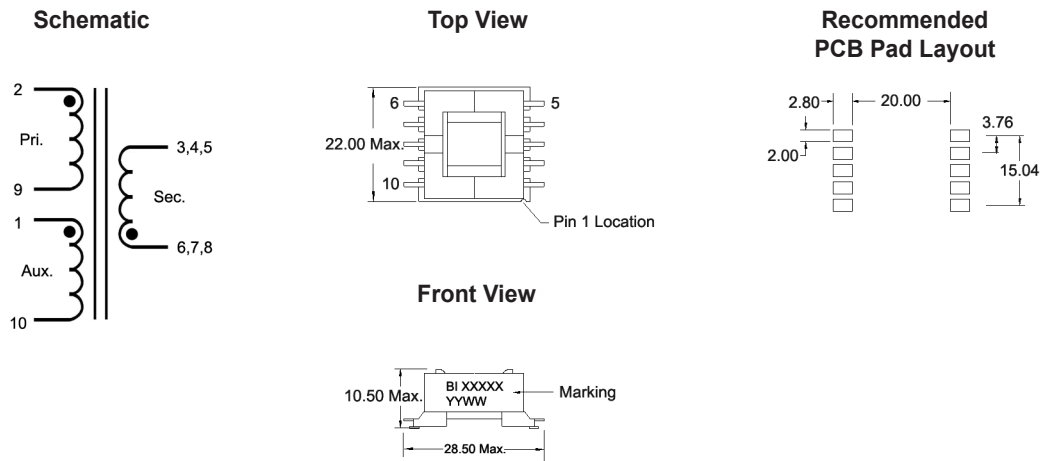


Figure 6



## Packaging

**Standard:** Embossed Tape & Reel

Power Series	13" Reel Capacity	Carton Box Capacity
5 W	200	1000
6 W	200	1000
8 W	200	1000
15 W	200	1200
30 W	150	750
40 W	150	750

## Ordering Information

