



# Payton Planar Magnetics

## OFF THE SHELF SMT PLANAR TRANSFORMERS



- ☆ Power Range: up to 140W
- ☆ Height : 8.6mm to 9.7 mm Max.
- ☆ Footprint : 24.0mm x 20.0 mm Max.
- ☆ Frequency Range : 200kHz to 700kHz
- ☆ Isolation (Primary to Secondary & Core): 1750Vdc.



### Electrical Specifications @ 25°C -- Operating Temperature -40°C to +125°C

Part Number	Fig.	Primary Side			Secondary Side		Maximum Height [mm]	
		Number of Turns	Inductance [μH MIN]	Leakage Inductance [μH MAX]	DCR Max. [mΩ]	Number of Turns		DCR Max. [mΩ]
740001	1	4 // 4	153	0.45	17.5 // 17.5	4 (1+1+1+1)	5	8.6
740002	1	4 // 5	194	0.45	17.5 // 20	4 (1+1+1+1)	5	8.6
740003	1	5 // 5	240	0.55	20 // 20	4 (1+1+1+1)	5	8.6
740004	1	5 // 6	290	0.6	20 // 25	4 (1+1+1+1)	5	8.6
740005	1	6 // 6	345	0.65	25 // 25	4 (1+1+1+1)	5	8.6
740006	2	4 // 4	153	0.45	17.5 // 17.5	1//1	0.875//0.875	8.6
740007	2	4 // 5	194	0.45	17.5 // 20	1//1	0.875//0.875	8.6
740008	2	5 // 5	240	0.55	20 // 20	1//1	0.875//0.875	8.6
740009	2	5 // 6	290	0.6	20 // 25	1//1	0.875//0.875	8.6
740010	2	6 // 6	346	0.65	25 // 25	1//1	0.875//0.875	8.6
740011	3	4 // 4	153	0.45	17.5 // 17.5	2//1	1.75//1	8.6
740012	3	4 // 5	194	0.45	17.5 // 20	2//1	1.75//1	8.6
740013	3	5 // 5	240	0.45	20 // 20	2//1	1.75//1	8.6
740014	3	5 // 6	290	0.5	20 // 25	2//1	1.75//1	9.7
740015	3	6 // 6	345	0.45	25 // 25	2//1	1.75//1	9.7

- Notes:1.Inductance is measured with both primary windings connected in series(2 to 5 , with 3 and 4 shorted)  
 2.Leakage inductance is measured on winding (2,5) with (3,4) and (7,8,9,10,11) shorted.  
 3.Maximum operating temperature means the maximum ambient plus temperature rise of the transformer.

### Electrical diagrams

FIGURE 1

740001/002/003/004/005

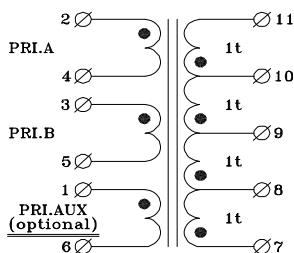


FIGURE 2

740006/007/008/009/010

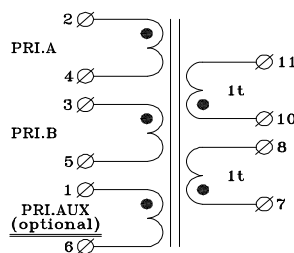
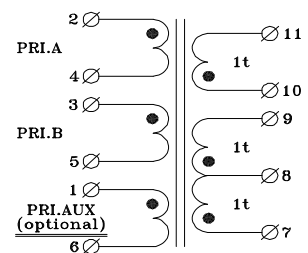


FIGURE 3

740011/012/013/014/015



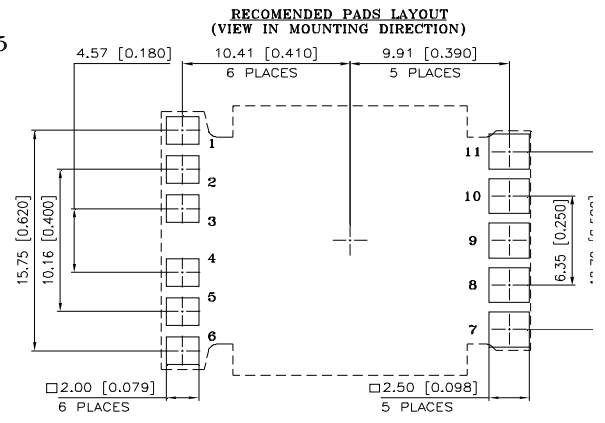
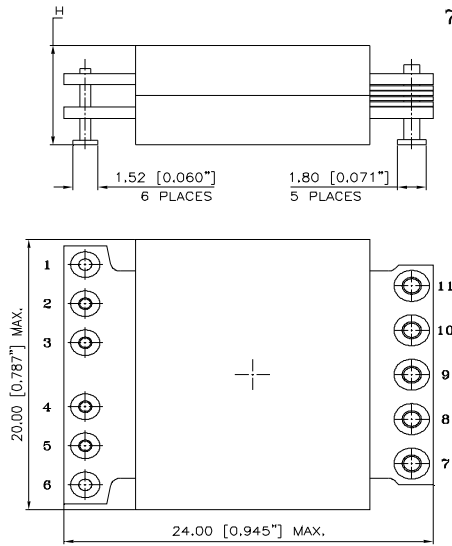
<http://www.paytongroup.com> email:info@paytongroup.com



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## Mechanical Specifications

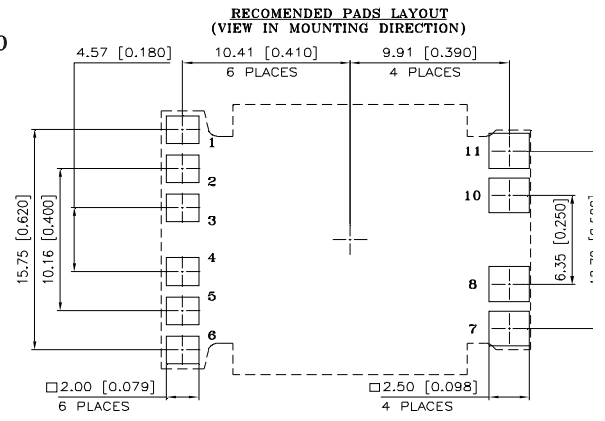
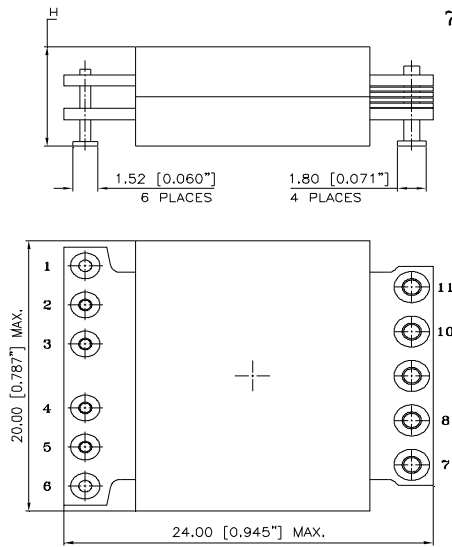
**FIGURE 1**  
740001/002/003/004/005



**WEIGHT:** 11.0 grams  
**TAPE & REEL:** 180/reel

**DIMENSIONS:** mm [inches]  
 UNLESS OTHERWISE SPECIFIED,  
 ALL TOLERANCES ARE: ±0.1 [0.004]

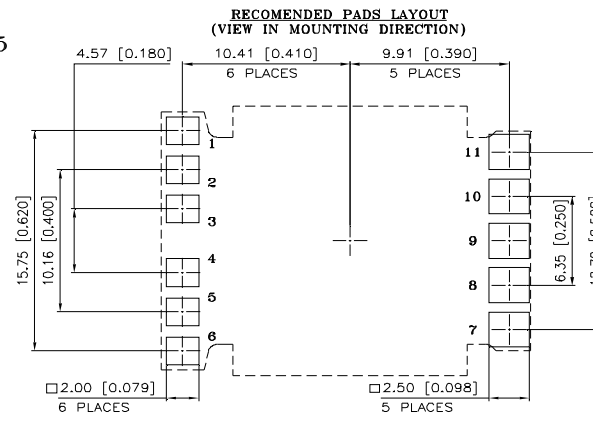
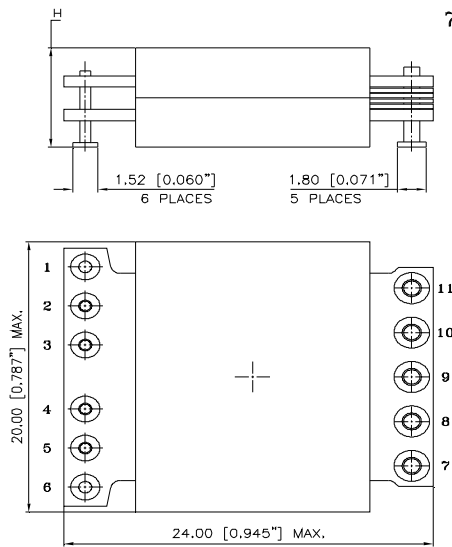
**FIGURE 2**  
740006/007/008/009/010



**WEIGHT:** 11.0 grams  
**TAPE & REEL:** 180/reel

**DIMENSIONS:** mm [inches]  
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**FIGURE 3**  
740011/012/013/014/015



**WEIGHT:** 11.0 grams  
**TAPE & REEL:** 180/reel

**DIMENSIONS:** mm [inches]  
 UNLESS OTHERWISE SPECIFIED,  
 ALL TOLERANCES ARE: ±0.1 [0.004]