SMT PLANAR TRANSFORMERS
30 Watt Platform

NEW!

- **Height:** 7.36 mm Max
- **Footprint:** 18.8 mm x 17.8 mm
- **Power Range:** up to 30 Watts
- **Frequency Range:** 200 kHz to 750 kHz

Electrical Specifications @ 25°C — Operating Temperature -40°C to +130°C

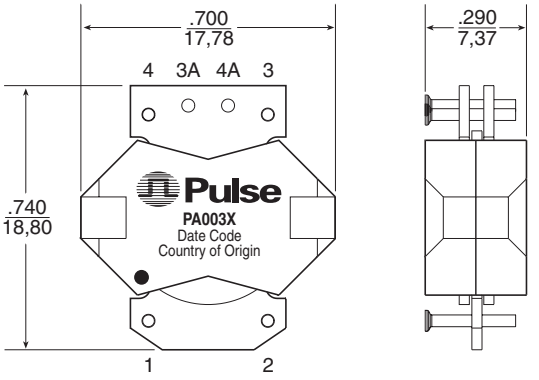
Part Number	Reference Application Information[1]					Primary Side					Secondary Side		
	Power Rating (W)	Frequency (kHz)	Input Voltage Range (v)	Output Voltage & Current	Pri/Sec Isolation (Operational)	Pins	Turns	Ind. (µH) MIN	Lk.Ind. (µH) MAX	DCR (mΩ) MAX	Pins	Turns	DCR (mΩ) MAX
30 WATT FORWARD TRANSFORMERS													
PA0030	30	400	18-60	3.3 v @ 8.0 A	1500 Vdc	Pri (1-2)	6T	52	0.850	43	Sec (3-4)	2T	2.7
PA0031	30	400	36-75	3.3 v @ 8.0 A	1500 Vdc	Pri (1-2)	12T	200	1.700	210	Sec (3-4)	2T	3.5
PA0032	30	400	18-60	5 v @ 6 A	1500 Vdc	Pri (1-2)	6T	52	0.270	43	Sec (3-3A & 4-4A)[1]	3T	20
PA0033	30	400	36-75	5 v @ 6 A	1500 Vdc	Pri (1-2)	12T	200	0.925	210	Sec (3-3A & 4-4A)[1]	3T	20
PA0034	30	400	18-60	12 v @ 2.5 A	1500 Vdc	Pri (1-2)	6T	52	0.270	43	Sec (3-4)	6T	43
PA0035	30	400	36-75	12 v @ 2.5 A	1500 Vdc	Pri (1-2)	12T	200	0.980	210	Sec (3-4)	8T	75
PA0036	30	400	18-60	15 v @ 2 A	1500 Vdc	Pri (1-2)	6T	52	0.195	43	Sec (3-4)	8T	75
PA0037	30	400	36-75	15 v @ 2 A	1500 Vdc	Pri (1-2)	12T	200	0.980	210	Sec (3-4)	8T	75

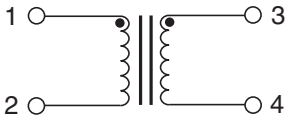
NOTE 1: PA0032/33 - Secondary windings (3-3A & 4A-4) can be connected for either series or parallel configurations by laying out the following trace pattern in the power supplies PCB (see back page). Other configurations for parallel operation are available. Please contact Pulse Applications Engineering for details.

Mechanical

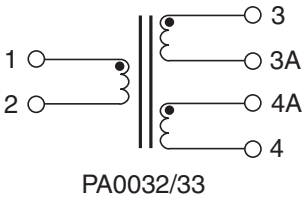
Schematics

PA0030-37

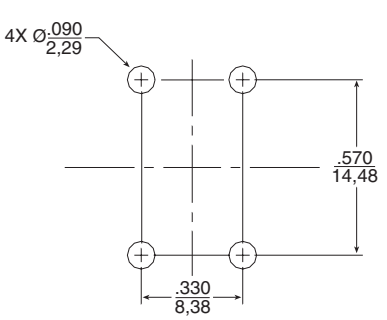




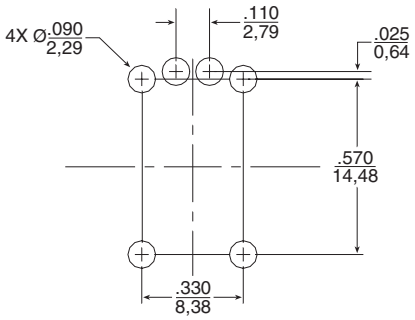
PA0030/31/34/35/36/37



PA0032/33



SUGGESTED PAD LAYOUT
(PA0030/31/34/35/36/37)



SUGGESTED PAD LAYOUT
(PA0032/33)

Weight . . . . . .4.5 grams
Tape & Reel 250/reel
Tray 90/tray

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

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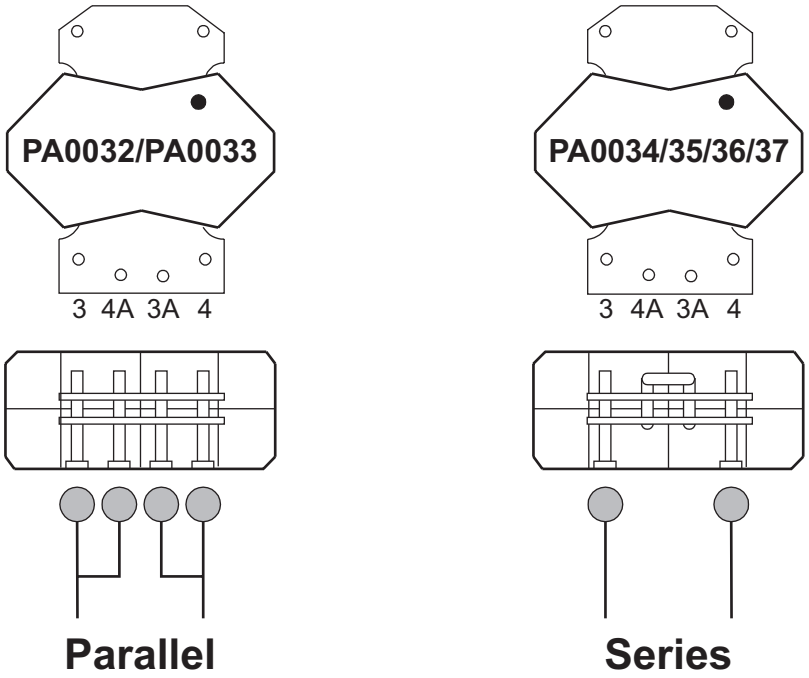
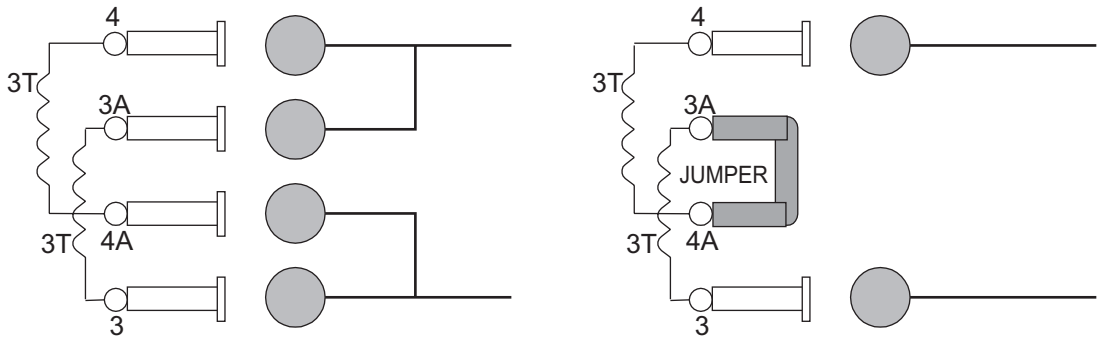
Notes from Tables

1. PA0032/33 - Secondary windings (3-3A & 4A-4) can be connected for either series or parallel configurations by laying out the following trace pattern in the power supplies PCB. Other configurations for parallel operation are available. Please contact Pulse Applications Engineering for details.





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