

HIGH FREQUENCY PLANAR TRANSFORMERS

Prism Series (up to 250W)



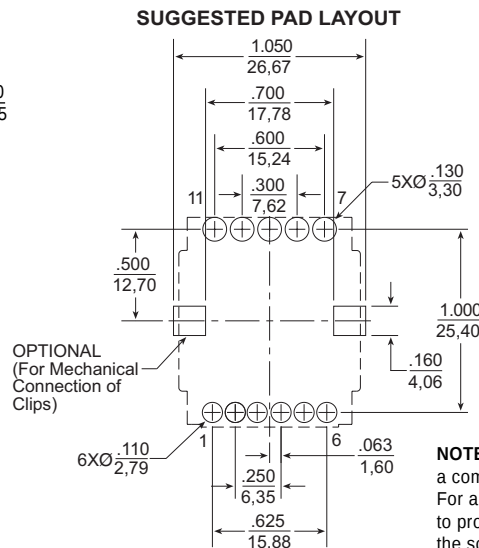
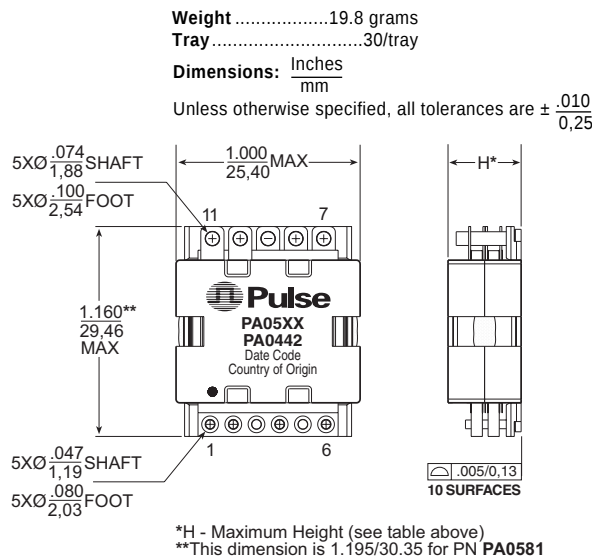
- ⚡ **Power Rating:** up to 250W
- ⚡ **Height:** 9.3mm to 10.4mm Max
- ⚡ **Footprint:** 29.5mm x 25.4mm Max
- ⚡ **Frequency Range:** 200kHz to 700kHz

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

Part Number	Turns Ratio		Primary ² Secondary Isolation	Primary Inductance (μH MIN)	Leakage** Inductance (μH MAX)	DCR (mΩ MAX)			Maximum Height (mm)
	Primary	Secondary				Primary A	Primary Aux.	Secondary	
DOUBLE INTERLEAVE DESIGNS (HIGHER EFFICIENCY, LOWER DCR AND LOWER LEAKAGE)									
PA0526	5T (with 5T Aux.)	1T & 1T	1500Vdc Basic	85	—	7.5	235	.56 & .56	10.2
PA0550	5T (with 5T Aux.)	2T:2T	1500Vdc Basic	85	—	7.5	235	2.25 & 2.25	10.2
SINGLE INTERLEAVE DESIGNS (LOWER COST)									
PA0442	5T (with 5T Aux.)	2T:2T	1500Vdc Basic	85	1.5	14.5	465	1.7 & 1.7	9.3
PA0576	6T (with 2T Aux.)	2T & 1T	1500Vdc Basic	130	0.25	21.5	155	1.8 & 0.6	9.3
PA0581	6T (with 2T Aux.)	7T & 7T	1500Vdc Basic	102	—	21.5	155	40 & 40	9.3

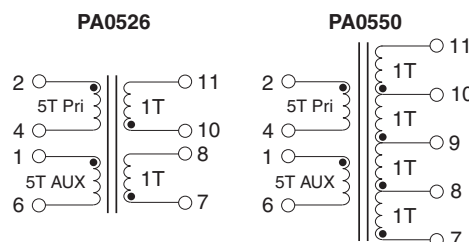
Notes: **Leakage inductance is measured with both primary windings connected in series (where applicable) with the secondary windings shorted.

Mechanical

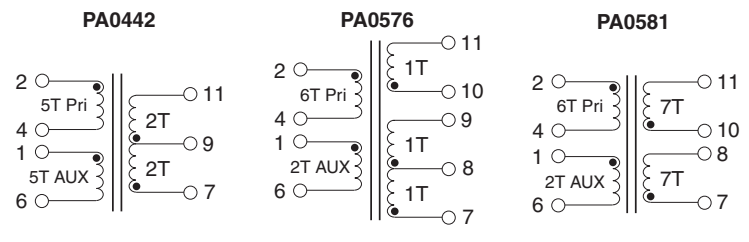


Schematics

— DOUBLE INTERLEAVE SCHEMATICS —



— SINGLE INTERLEAVE SCHEMATICS —



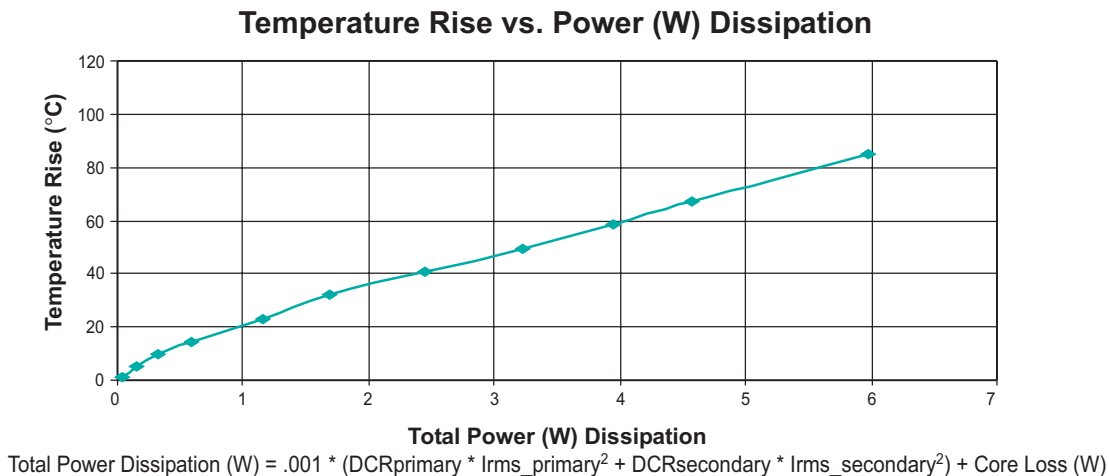
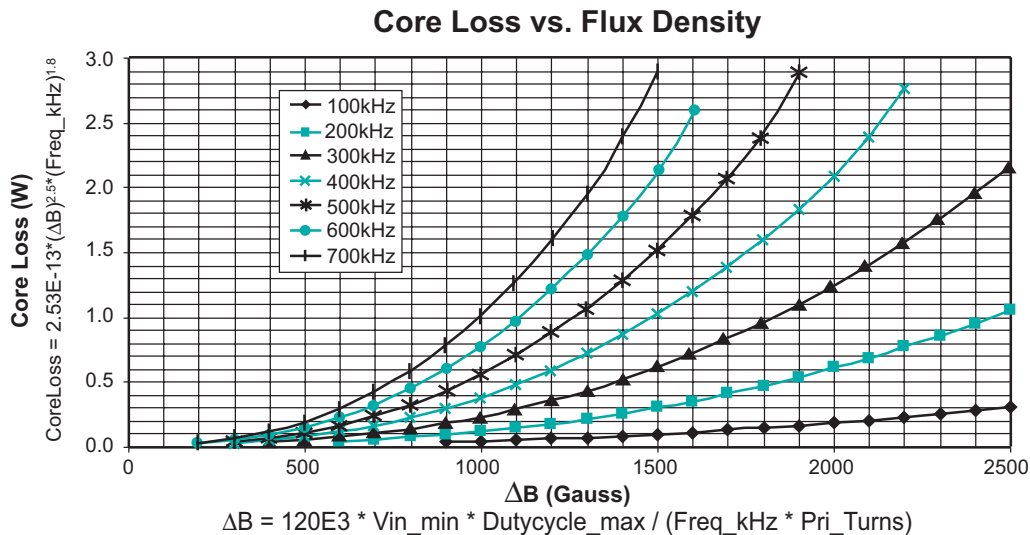
HIGH FREQUENCY PLANAR TRANSFORMERS

Prism Series (up to 250W)



Notes from Tables

1. The above transformers have been tested and approved by Pulse's IC partners and are cited in the appropriate datasheet or evaluation board documentation at these companies. To determine which IC and IC companies are matched with the above transformers, please refer to the IC cross reference on the Pulse web page. Other winding configurations are available. Please contact Pulse Power Applications Engineering for more information.
2. To determine if the transformer is suitable for your application, it is necessary to ensure that the temperature rise of the component (ambient plus temperature rise) does not exceed its operating temperature. To determine the approximate temperature rise of the transformer, refer to the graphs below.



For More Information :

UNITED STATES (Worldwide)	UNITED KINGDOM (Northern Europe)	FRANCE (Southern Europe)	SINGAPORE (Southern Asia)	TAIWAN, R.O.C. (Northern Asia)	HONG KONG (China/Hong Kong)	DISTRIBUTOR
12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	1 & 2 Huxley Road The Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701	Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 6287 8998 FAX: 65 6280 0080	3F-4, No. 81, Sec. 1 HsinTai Wu Road Hsi-Chih, Taipei Hsien Taiwan, R.O.C. Tel: 886 2 2698 0228 FAX: 886 2 2698 0948	9/F, Phase 2, Tai Sang Shatin Warehouse Centre 6 Wong Chuk Yeung Street Fotan, Shatin, Hong Kong TEL: 852 2788 6588 FAX: 852 2776 1055	

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.