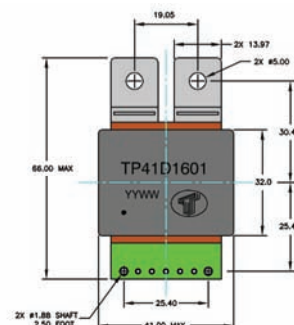
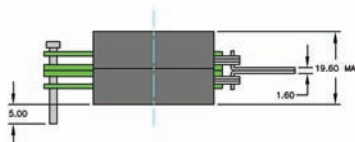


FEATURES



- Power Rating Up to 2200 Watts
- High Efficiency of Over 98.x%
- High Frequency 50 kHz – 200 kHz
- Footprint 66.00 mm X 41.00 mm
- Lower Profile of 19.60 mm Max
- High Isolation (operational) 5000 Vdc
- Operating Temperature -40° C to +125° C



ELECTRICAL SPECIFICATIONS											
Part Number	Primary ¹ Inductance (uH Min)	Leakage ² Inductance (uH Max)	DC Resistance (mΩ Max)				Turns Ratio		Pri/Sec Hi-Pot	Figure	M. Height
			Primary			Secondary	Primary	Secondary			
			A	B	AUX.						
TP41D1601	1350	1.00	30.0			0.10	16T	1T	5000Vdc	1	19.60 mm MAX.
TP41D1201	750.0	0.60	25.0			0.10	12T	1T	5000Vdc	1	
TP41D0302	47.0	0.30	0.70			0.25	3T	2T	500Vdc	2	
TP41D1202	750.0	0.60	25.0			0.25	12T	2T	5000Vdc	3	
TP41D2402	3000	1.60	75.0			0.25	24T	2T	5000Vdc	4	
TP41D1403	1000	0.70	30.0			0.70	14T	3T	5000Vdc	5	
TP41D1204	750.0	0.60	25.0			1.60	12T	4T	5000Vdc	6	
TP41D0805	330.0	0.36	5.00			3.00	8T	5T	500Vdc	7	
TP41D1205	750.0	0.60	25.0			3.00	12T	5T	5000Vdc	8	
TP41D1206	750.0	0.60	25.0			3.60	12T	6T	5000Vdc	8	

1.The inductance is measured in primary windings.

2.The leakage inductance is measured in primary windings with secondary windings shorted.

3.All specifications typical at T_A=25° C.

APPLICATION OF CONFIGURATION					
Part Number	Vinput	Vout & Iout	Part Number	Vinput	Vout & Iout
TP41D1601	180 – 320 Vdc	3.30Vdc@240.0A	TP41D1403	180 – 320 Vdc	15.0Vdc@65.0A
TP41D1201	180 – 320 Vdc	5.0Vdc@180.0A	TP41D1204	180 – 320 Vdc	24.0Vdc@42.0A
TP41D0302	90 – 160 Vdc	12.0Vdc@180.0A	TP41D0805	120 – 200 Vdc	28.0Vdc@ 36.0A
TP41D1202	180 – 320 Vdc	12.0Vdc@85.00A	TP41D1205	180 – 320 Vdc	28.0Vdc@36.0A
TP41D2402	380 – 410 Vdc	12.0Vdc@185.0A	TP41D1206	180 – 320 Vdc	34.0Vdc@29.5A

TP41 SERIES

High Frequency 2.2kWatts
Planar Transformers

SCHEMATICS

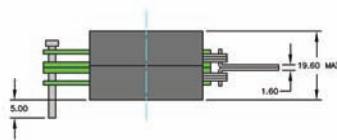
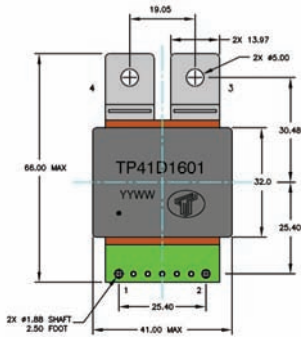


FIGURE 1

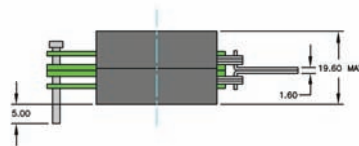
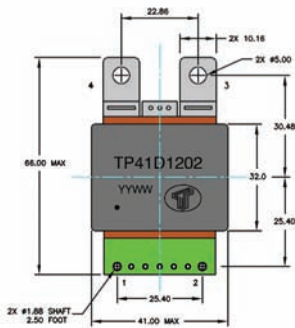
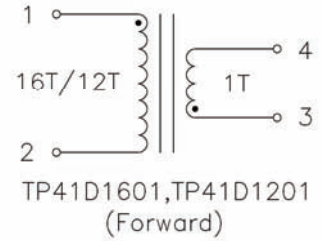


FIGURE 2

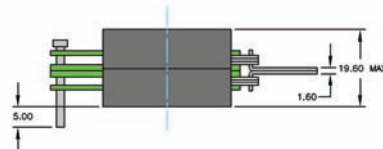
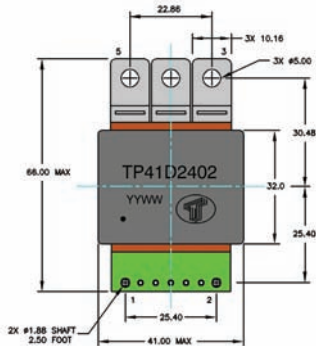
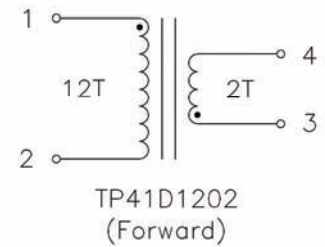


FIGURE 3

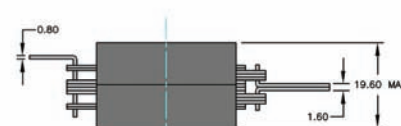
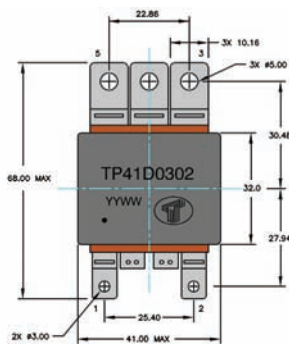
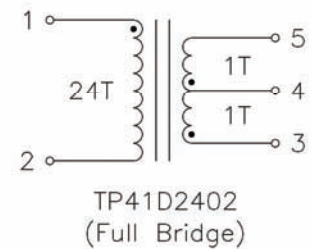
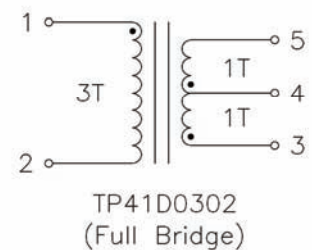


FIGURE 4



TP41 SERIES

High Frequency 2.2kWatts
Planar Transformers

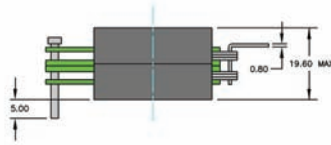
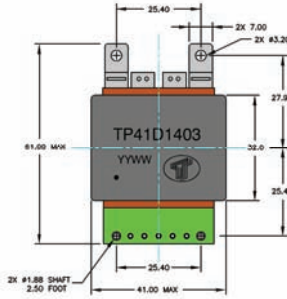
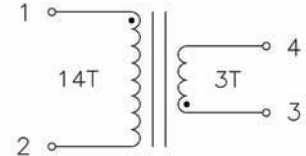


FIGURE 5



TP41D1403
(Forward)

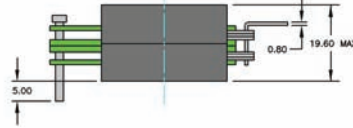
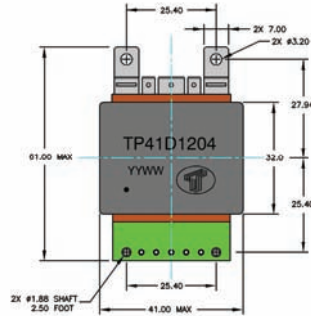
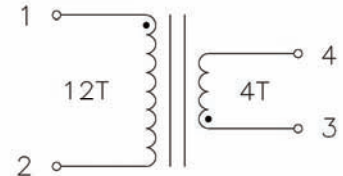


FIGURE 6



TP41D1204
(Forward)

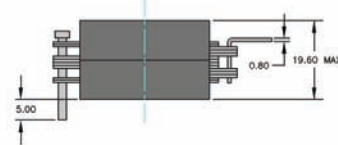
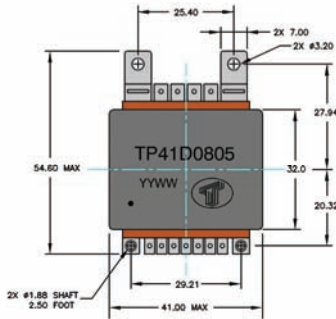
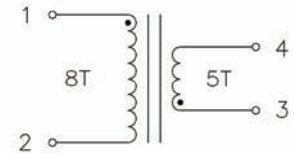


FIGURE 7



TP41D0805
(Forward)

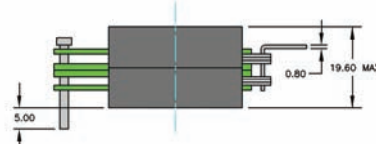
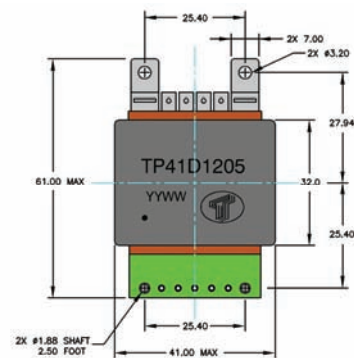
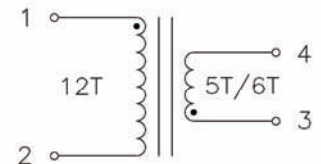


FIGURE 8



TP41D1205, TP41D1206
(Forward)