

701 series

base drive transformers

PRODUCT DESCRIPTION

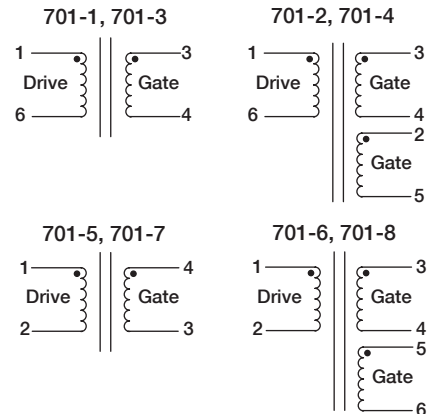
West Coast Magnetics' 701 series base drive transformers are designed to operate from 10 kHz to 500 kHz. These base drive transformers provide 3000 Vac of isolation and a winding configuration which has consistent low leakage inductance qualities. These Base Drive Transformers are available in through hole as well as surface mount packaging with tape and reel.

FEATURES & BENEFITS

SMD tape and reel – 10 kHz to 500 kHz operating range – Low leakage inductance – 3000 Vac interwinding isolation

Product Code	Turns Ratio	Maximum ET (Volt- μ Sec) ^A	Minimum Drive Inductance (μ H)	DCR Drive (m Ω) nom	DCR Gate (m Ω) nom	Gate-Drive Hypot Vac
701-1	1:1	170	735	180	50	3000
701-2	1:1:1	170	735	180	100	3000
701-3	1:1:5	126	400	55	80	3000
701-4	1:1.5:1.5	126	400	55	160	3000
701-5	1:1	118	590	310	75	3000
701-6	1:1:1	118	590	310	150	3000
701-7	1:1.5	118	590	300	210	3000
701-8	1:1.5:1.5	118	590	300	420	3000

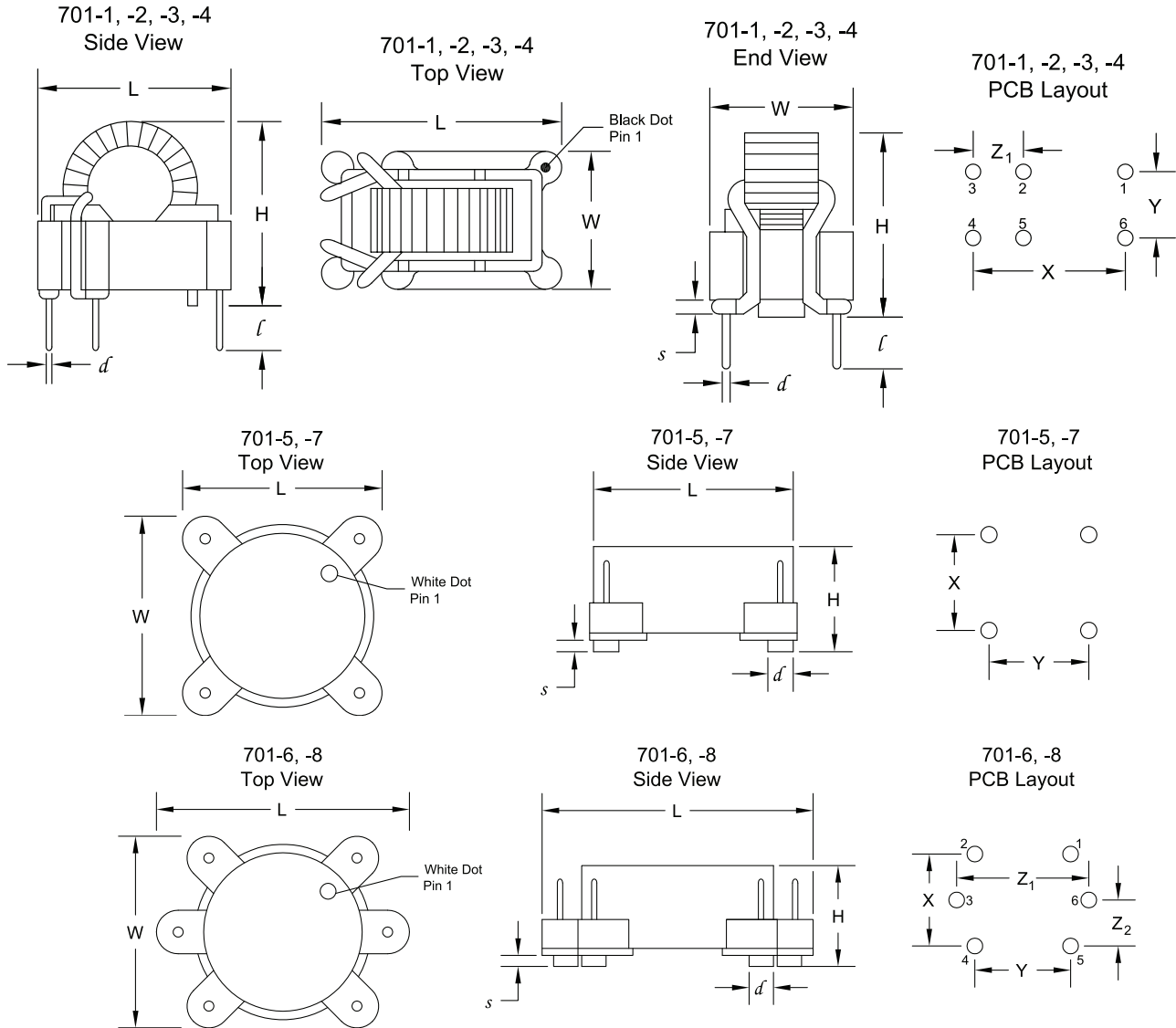
701 Series Schematics



Note A: Based on 50% bipolar square wave, 2500 gauss maximum, Drive Side.



Dimensions: $\frac{\text{inches}}{\text{mm}}$



Product Code	L	W	H	s	l	d	X	Y	Z ₁	Z ₂
701-1										
701-2	<u>0.800</u>	<u>0.450</u>	<u>0.800</u>	<u>0.080</u>	<u>0.175</u>	<u>0.025*</u>	<u>0.700</u>	<u>0.350</u>	<u>0.200</u>	NA
701-3	20.3	11.4	20.3	2.0	4.4	0.6	17.8	8.9	5.1	
701-4										
701-5	<u>0.650</u>	<u>0.650</u>	<u>0.325</u>	<u>0.030</u>	NA	<u>0.070</u>	<u>0.495</u>	<u>0.495</u>	NA	NA
701-7	16.5	16.5	8.3	0.8		1.8	12.6	12.6		
701-6	<u>0.830</u>	<u>0.650</u>	<u>0.325</u>	<u>0.030</u>	NA	<u>0.070</u>	<u>0.495</u>	<u>0.495</u>	<u>0.700</u>	<u>0.248</u>
701-8	21.1	16.5	8.3	0.8		1.8	12.6	12.6	17.8	6.3

* square pin

Note: All materials of construction minimum Class B 130° C rated.