

WCM701 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 and Benefits

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

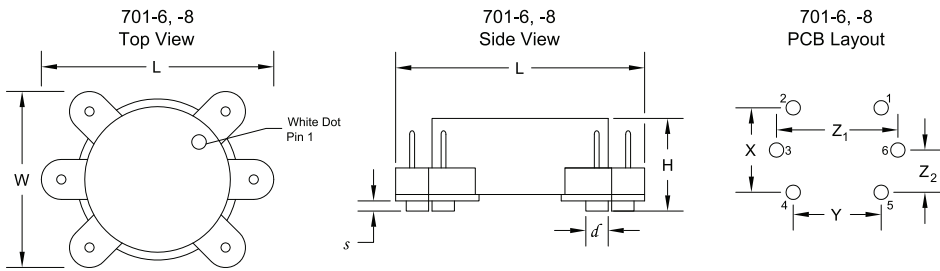
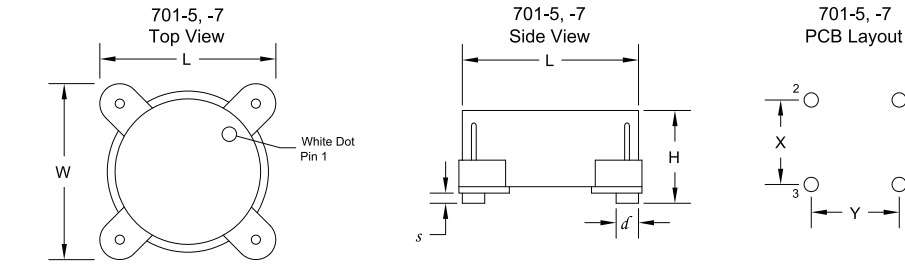
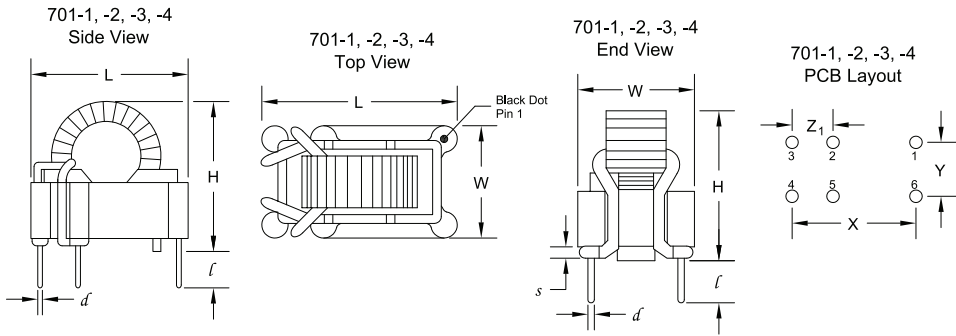
Engineering Data

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
WCM701-01	1:1	170	735	180	50	3000
WCM701-02	1:1:1	170	735	180	100	3000
WCM701-03	1:1:5	126	400	55	80	3000
WCM701-04	1:1:5:1.5	126	400	55	160	3000
WCM701-05	1:1	118	590	310	75	3000
WCM701-06	1:1:1	118	590	310	150	3000
WCM701-07	1:1.5	118	590	300	210	3000
WCM701-08	1:1.5:1.5	118	590	300	420	3000

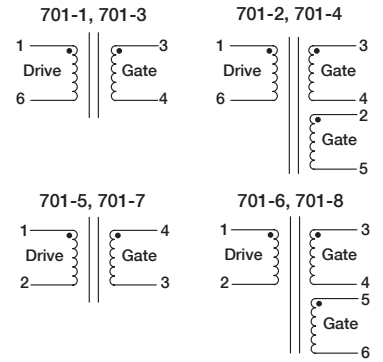
Note A:
Based on 50% bipolar square wave, 2500 gauss maximum, Drive Side.



Schematics WCM701 Series



701 Series Schematics



Product Code	L	W	H	s	l	d	X	Y	Z ₁	Z ₂
WCM701-01										
WCM701-02	0.800	0.450	0.800	0.080	0.175	0.025*	0.700	0.350	0.200	NA
WCM70103	20.3	11.4	20.3	2.0	4.4	0.6	17.8	8.9	5.1	NA
WCM701-04										
WCM701-05	0.650	0.650	0.325	0.030	NA	0.070	0.495	0.495	NA	NA
WCM701-07	16.5	16.5	8.3	0.8	NA	1.8	12.6	12.6	NA	NA
WCM701-06	0.830	0.650	0.325	0.030	NA	0.070	0.495	0.495	0.700	0.248
WCM701-08	21.1	16.5	8.3	0.8	NA	1.8	12.6	12.6	17.8	6.3

* square pin

Dimensions:

Inches
mm

Note:

Please specify vertical or horizontal mount with your order.

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