

# 405 series

## switch mode transformers

### PRODUCT DESCRIPTION

West Coast Magnetics' 405 series transformers have been designed specifically for switch mode power applications. The isolation characteristics of this transformer geometry make it an ideal choice for medical applications where safety agency requirements must be met. This transformer series also features high power handling capability in a compact package.

### FEATURES & BENEFITS

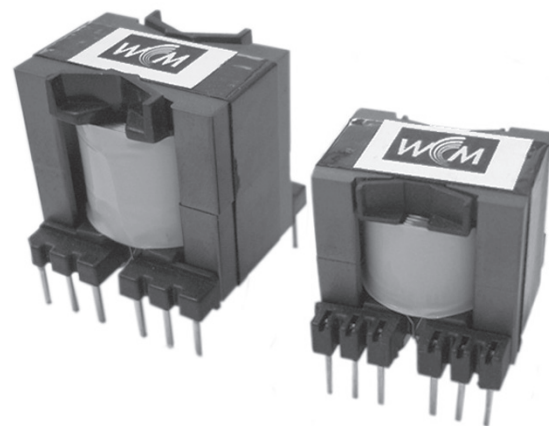
Medical grade isolation – UL/CSA/VDE design available – High power and compact size

### OUTPUT POWER (WATTS) vs FREQUENCY OF OPERATION

Product Code	25 kHz	50 kHz	100 kHz	250 kHz	500 kHz
405-2016	23	29	36	56	63
405-2020	30	40	54	83	95
405-2620	44	58	79	121	139
405-2625	60	80	107	152	181
405-3220	81	108	144	205	244
405-3230	168	223	296	419	503
405-3535	298	396	527	745	893
405-4040	400	532	710	996	1190

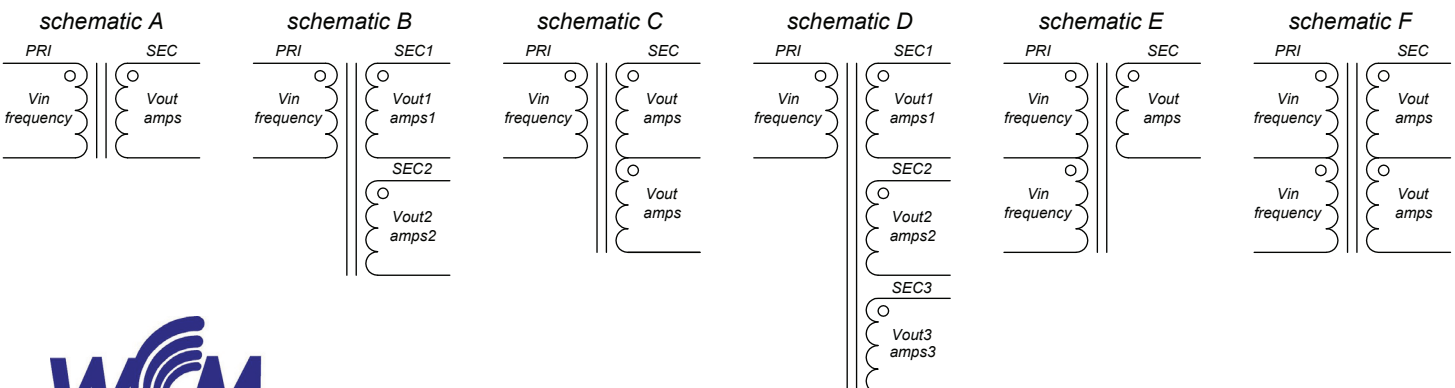


• RoHS compliant on request



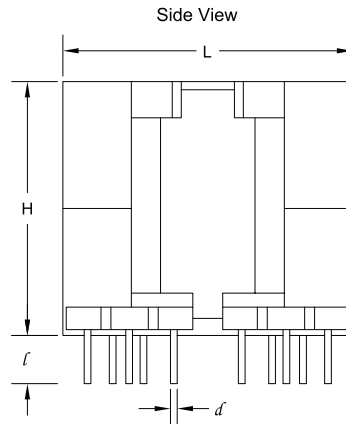
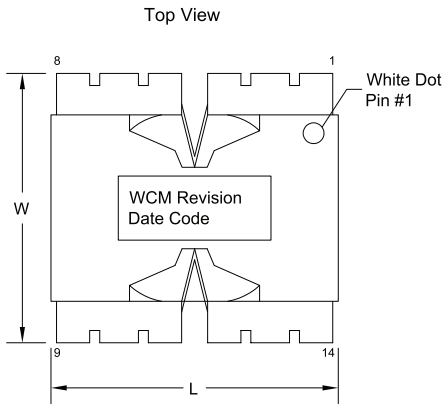
Note: Output power versus frequency data was generated assuming a typical push/pull topology and 40° C transformer temperature rise. This data is typical for most SMPS topologies but is a reference only. Check with West Coast Magnetics for final verification of transformer size.

*This custom power transformer will be designed precisely to your requirements. Choose a schematic below and click here to contact us with your specifications.*

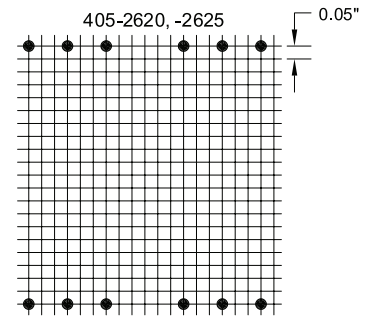
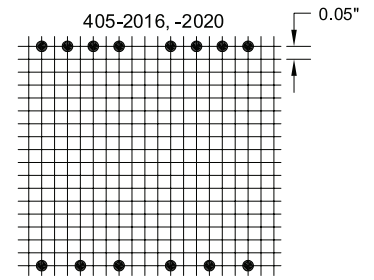


Dimensions: inches  
mm

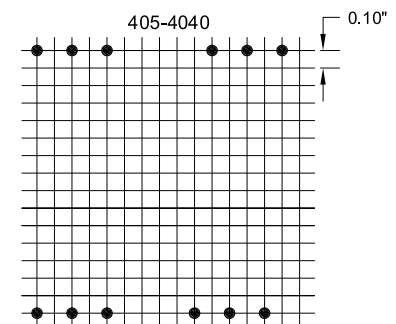
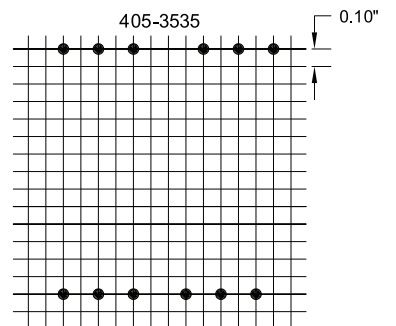
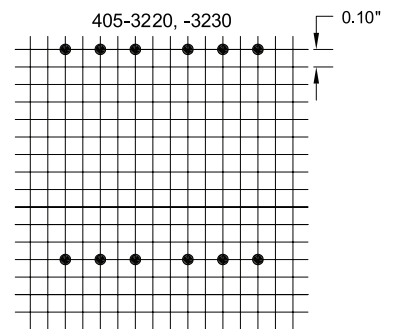
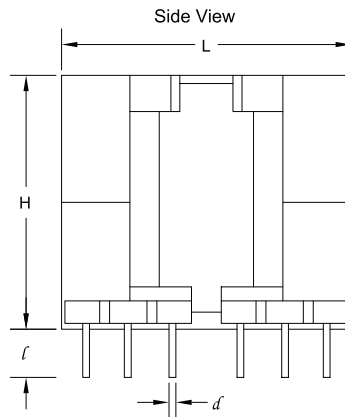
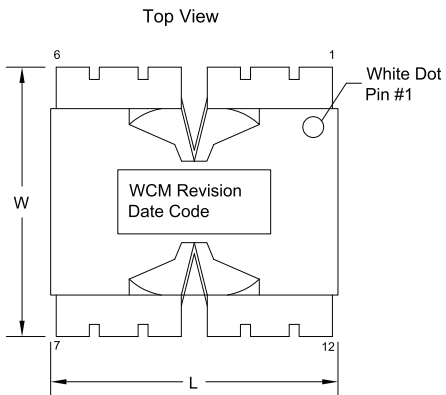
### 405-2016, -2020



### PCB Layouts



### 405-2620, -2625, -3220, -3230, -3535, -4040



Product Code	L	W	H	l	d
405-2016	0.92 23.2	0.92 23.2	0.70 17.8	7.0 mm	0.60 mm
405-2020	0.92 23.2	0.92 23.2	0.85 21.6	7.0 mm	0.60 mm
405-2620	1.10 27.9	1.17 29.7	0.91 23.1	7.0 mm	0.85 mm
405-2625	1.10 27.9	1.17 29.7	1.02 25.9	7.0 mm	0.95 mm
405-3220	1.34 34.0	1.35 34.3	0.95 24.1	7.0 mm	0.95 mm
405-3230	1.34 34.0	1.35 34.3	1.34 34.0	7.0 mm	0.95 mm
405-3535	1.47 37.3	1.55 39.4	1.52 38.6	7.0 mm	0.95 mm
405-4040	1.70 43.2	1.68 42.7	1.73 43.9	7.0 mm	0.95 mm

Note: 1) Tolerance on pin lengths is  $\pm 0.7$  mm  
2) Tolerance on pin diameter is  $\pm 0.06$  mm