

custom power transformer design sheet

MONOLITH
M A G N E T I C S

name + first name	
company	
VAT tax reg nr	
adress line 1	
adress line 2	
postal code/city	
country	
phone	
email	

transformer your reference

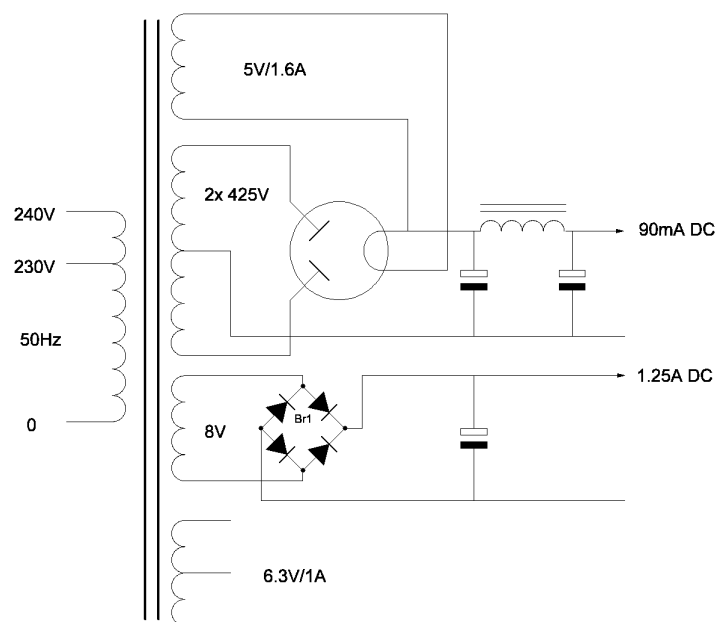
quantity required

remarks/options

1	2	3	4	5	6
winding	AC rms voltage [V] between winding ends	nr of terminals 2= single winding 3= center tap etc ...	specify voltage taps on winding specify only if winding has more than 2 terminals	select the type of rectifier if no rectifier choose AC load	current [A] DC current if rectified just circuit operating currents do not overrate !
PRIMARY		-			
sec 1		-		AC load	
sec 2		-		AC load	
sec 3		-		AC load	
sec 4		-		AC load	
sec 5		-		AC load	
sec 6		-		AC load	
sec 7		-		AC load	
sec 8		-		AC load	
	total terminals	-	CASE 1,2,3 max 16 terminals CASE 0 max 12 terminals		

Primary, sec 1 and sec 2 are filled in as an example for a power transformer with a 0-230-240 primary, a secondary high voltage winding for full wave center tap rectification and a heater winding that is not rectified. Replace these values with your own and mail the form to : sales@monolithmagnetics.com

Example transformer



1. Column 2 : Maximum total number of terminals is 16 ! A static screen counts for 1 terminal.
2. Column 5 : Specify current value as close as possible to actual circuit value.
3. Column 5 : Always specify DC current when rectified
4. Final cost of transformer depends on total power VA and number of terminals

Questions ? Contact us yp@monolithmagnetics.com

	AC voltage between winding ends	Nr of terminals/taps on winding (including ends)	Specify voltage taps	Select secondary load	Current DC current if rectified - Don't overspecify !
primary	240 V	3	0-230-240		
sec1	5 V	2	0-5	AC load no rectifier	1,6 A
sec2	850 V	3	425-0-425	center tap capacitor input	0,09 A
sec3	8 V	2	0-8	bridge capacitor input	1,25 A
sec4	6,3 V	2	3,15-0-3,15	AC load no rectifier	1 A
sec5	V				A
sec6	V				A

max 16 terminals !

Column 1	designates the winding	
Column 2	AC Voltage between winding ends	
	Specify the voltage between the outer ends of the winding	fill in just one value NOT followed by V or Volts
	Example : for a 425-0-425V winding	fill in : 850
Column 3	number of terminals/taps	
	Specify the number of taps of the winding via the dropdown list	
	Example : for a 0-6.3V winding (has just 2 ends)	fill in : 2
	Example : the primary 0-230-240V winding (has 3 taps)	fill in : 3
Column 4	specify the voltage taps	
	If the winding has only 2 taps (or ends) you may skip this step	
	Example : a 6.3V winding with center tap	fill in : 3.15-0-3.15
	Example : for the HT winding	fill in : 425-0-425 or 0-425-850
Column 5	select the type of load (see diagrams below)	
Column 6	specify the required current expressed in Amps (A)	
	Important : If rectification is applied, specify the DC Current draw	
	Example : current draw of the concerned winding is 90mA	fill in : 0.09

