

# RESONANT TRANSFORMER REQUEST FORM

with tank parameters suggestion



Date	dd/mm/yy		
Company	Name		
Applicant	Address		
	Name		
	Phone NR		
	e-mail		
Final equipment name			
Required sample qty	pcs		
Desired sample delivery date	dd/mm/yy		
Expected mass production start date	dd/mm/yy		
Expected qty	curr. year	+1 year	+2 year
Target price	€	US\$	
PCB Layout	Ready	(Y/N) (Yes → attach required dimensions/pin arrangement)	
	To be designed/revised	(Y/N)	

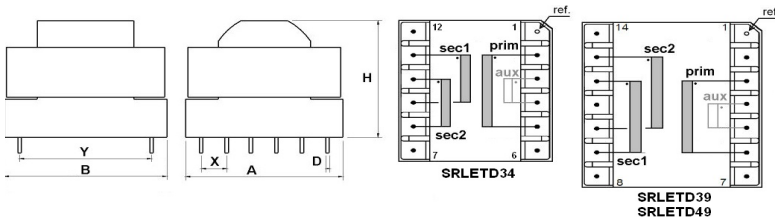
Input Voltage from main or PFC stage	AC main	DC from PFC	
	Min	V(dc)	V(dc)
	Rated	V(dc)	V(dc)
	Max	V(dc)	V(dc)
	Main Freq	Hz	
DC link capacitor (on PFC output/rectified main)	C <sub>link</sub>	nF	
Switching Frequency	Preferential	Absolute limits	
	Min	KHz	
	Rated	KHz	
	Max	KHz	
Preferential resonant capacitor (one or more capacitance values)	Cr	nF	
Half-bridge Mosfet	R <sub>DS(on)</sub>	Ω	
Power outputs voltage/current	V(dc)	A(dc)	Single (S) Center Tap (CT)
			Rectifier diode F <sub>w</sub> V(dc) <sup>(1)</sup>
	1		
	(1) show the single diode V <sub>i</sub> max in both case, center tap sec. (2 diodes) or single sec. (rectifier bridge)		
Auxiliary winding	requir.(Y/N)	V(dc)	mA(dc)
Ambient temperature	Max	°C	
Safety requirements	Pri/Sec	DTI	
	dielectric strength	creepage clearance	(through insulation)
Other binding requirements			
Other desired requirements			



Resonant tank request – rev.01 18.05.2010

### optimal layouts

### Dimensions



	ETD34	ETD39	ETD49	
A	35.5	42.0	50.4	mm max
B	36.6	43.3	50.0	mm max
H	25.2	29.9	38.2	mm max
X	5.5	5.8	7.0	mm
Y	28.0	36.1	41.6	mm
D	0.8	0.8	1.0	mm max