

SMPS PS300 Planar transformer

A-2049-002



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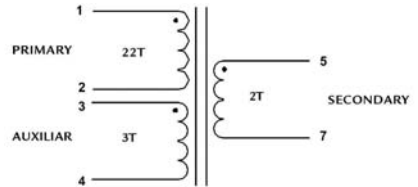
Features

- Very low core & copper losses.
- Compact size.
- Design according to EN60950.
- RoHS compliant.

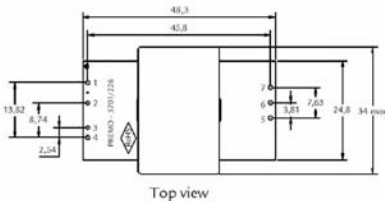
Electrical parameters

Converter		FLYBACK
Input voltage		85-265Vac
Output	Auxiliar	15Vdc/0.1A
	Secondary	12Vdc/5A
Total power		60W
Switching frequency		132kHz
Primary inductance @10kHz - 10mV		289μH+/-5%
Leakage inductance @100kHz - 100mV		5μH max
DC resistance @25°C	Primary	150 mΩ typ
	Secondary	1.7mΩ typ
Estimated total losses	Windings	0.4
	Core	0.4
Max. operating temp.		85°C
Storage temperature		130°C
Mounting		PTH
Voltage test @50Hz 2"	Primary vs Secondary	3000Vac
	Primary vs Core	

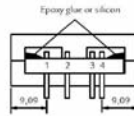
Electrical diagram



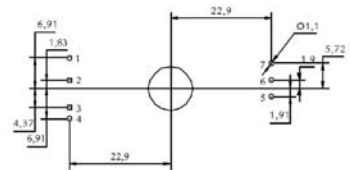
Dimensions



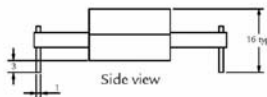
Top view



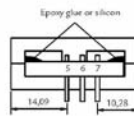
Primary side view



Recommended PCB layout
View in mounting direction



Side view



Secondary side view