

# SMPS POWER UNIT SERIES

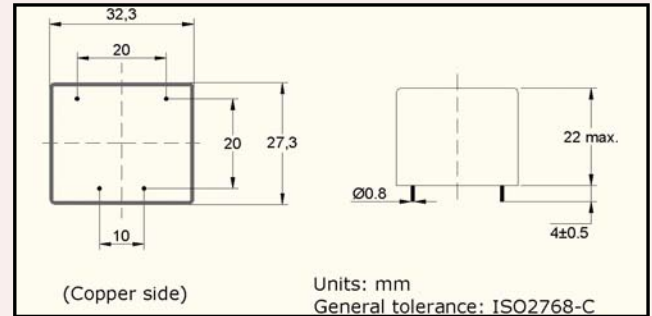
AC/DC Converter, 3 and 5 W.



## MAIN FEATURES

- Flyback topology Switch mode supply.
- Alternative to linear power applications of less than 5W.
- Replace directly the EI30 series of Encapsulated transformers.
- Low stand-by energy consumption.
- Improve energetic efficiency, > 70%.
- Industria, Domestic, Consumer electronics applications
- Meets Safety and EMC standards.
- Input surge voltage protection.

## DIMENSIONS AND RASTER



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3 W Series		
Code.	Output Voltage. (Vdc)	Output Current. (dc.mA)
SMPS3003105	5	600
SMPS3003109	9	333
SMPS3003112	12	250
SMPS3003115	15	200
SMPS3003118	18	166
SMPS3003124	24	125

5 W Series		
Code.	Output Voltage. (Vdc)	Output Current. (dc.mA)
SMPS3005105	5	1000
SMPS3005109	9	555
SMPS3005112	12	416
SMPS3005115	15	333
SMPS3005118	18	277
SMPS3005124	24	208

## ELECTRICAL CHARACTERISTICS

Input AC Voltage Range	85-265 Vac
Line Frequency	47 – 63Hz
Input Power (no load)	≤ 0.25W max. at 230Vac
Line output voltage variation	± 0.3%
Load output voltage variation	± 0.5%
Nominal Vout (full load)	Vout. ± 2%
Output Current max.	Output current (see above table)
Output Ripple	< 200mVpp
Efficiency Typ.	≥ 70%
Rise Time Output Voltage	200ms max. at 80%
Output over current protection	No damage shall occur. Self recovering when condition is removed
Output short circuit protection	No damage shall occur. Self recovering when condition is removed
Hi-pot test	4kVac. P/S
DC- insulation resistance	10MΩ minimum at 500Vdc
Working temperature	60°C max.
Safety according to	EN60950, EN60335, EN61558-2-17, UL Listed materials.
EMC according to	EN55014-1, EN55022 class B, EN 55014-2, EN61000-4-X



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