



Product Technical Specification

Code : **06337**

Product: Switch Mode Transformer 240W 90kHz 550uH 30V

Class Code : **1892.0029**

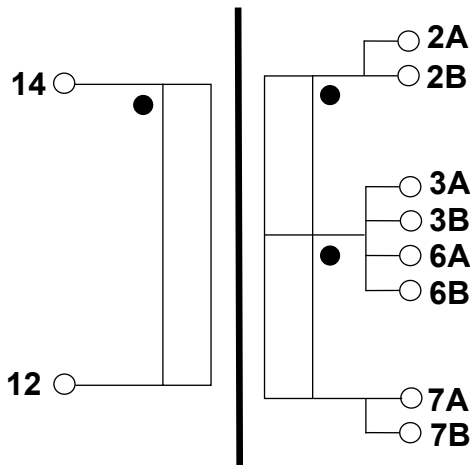
Date : 12.05.2011 Revision: 0

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TYPICAL APPLICATION

TRANSFORMER FOR RESONANT CONVERTER IN APPLICATIONS WITH L6599 CONTROLLER. THE LEAKAGE INDUCTANCE TRADE-OFF AND THE SPECIAL COIL FORMER THAT MINIMIZES THE DIMENSIONS, MAKE THE TRANSFORMER SUITABLE FOR APPLICATIONS WITH HIGH PERFORMACES.

SCHEMATIC



TECHNICAL DATA

INDUCTANCE

(MEASURE 1KHZ, TA 20°C)

PIN 14-12	550 uH ± 15%
PIN 2A,2B-3A,3B	11 uH ± 15%
PIN 6A,6B-7A,7B	11 uH ± 15%

RESISTANCE

(MEASURE D.C, TA 20°C)

PIN 14-12	60 mΩ MAX
PIN 2A,2B-3A,3B	4 mΩ MAX
PIN 6A,6B-7A,7B	4 mΩ MAX

TRANSFORMER RATIO

(MEASURE 10KHZ, WITH TOLERANCE ±0.5T, TA 20°C)

PIN 14-12 ↔ 2A,2B-3A,3B	6.66 NOM
PIN 14-12 ↔ 6A,6B-7A,7B	6.66 NOM

LEAKAGE INDUCTANCE

(MEASURE 14-12 AND 2-3-6-7 A AND B IN S.C, F 10KHZ, TA 20°C)

53 uH NOM

LEAKAGE INDUCTANCE

(MEASURE 14-12 AND 2-3-6-7 A AND B IN S.C, F 100KHZ, TA 20°C)

52 uH NOM

OPERATING FREQUENCY

(TA 20°C)

68÷110 KHZ NOM

RESONANCE FREQUENCY

(TA 20°C)

92 KHZ NOM

AMBIENT TEMPERATURE RANGE

(P_{MAX} 240W , WITH SELF TRISE 45°C)

-20°C÷+85°C

THERMAL CLASS

B

STORAGE TEMPERATURE RANGE

-20°C÷+85°C

PRIMARY TO SECONDARY INSULATION

(F 50HZ,DURATION TEST 2", TA 20°C)

4k V

MAXIMUM DIMENSIONS

55X57mm H41mm

WEIGHT

160 g CIRCA

PIN DESCRIPTION

PIN(*)	FUNCTION	PIN(*)	FUNCTION
1A-1B	NOT CONNECTED	9	
2A-2B	SECONDARY D1	10	NOT CONNECTED
3A-3B	GROUND SECONDARY	11	
4A-4B	NOT CONNECTED	12	PRIMARY CR 56nF
5A-5B	NOT CONNECTED	13	NOT CONNECTED
6A-6B	GROUND SECONDARY	14	PRIMARY DRAIN SOURCE
7A-7B	SECONDARY D2	15	NOT CONNECTED
8A-8B	NOT CONNECTED		

(*)PIN WITH THE SAME SUBSCRIPT MUST BE CONNECTED TOGETHER ON PCB



Electromagnetic components
Switch mode power supply

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STP20 MOR&D0014 REV01 10/01/12



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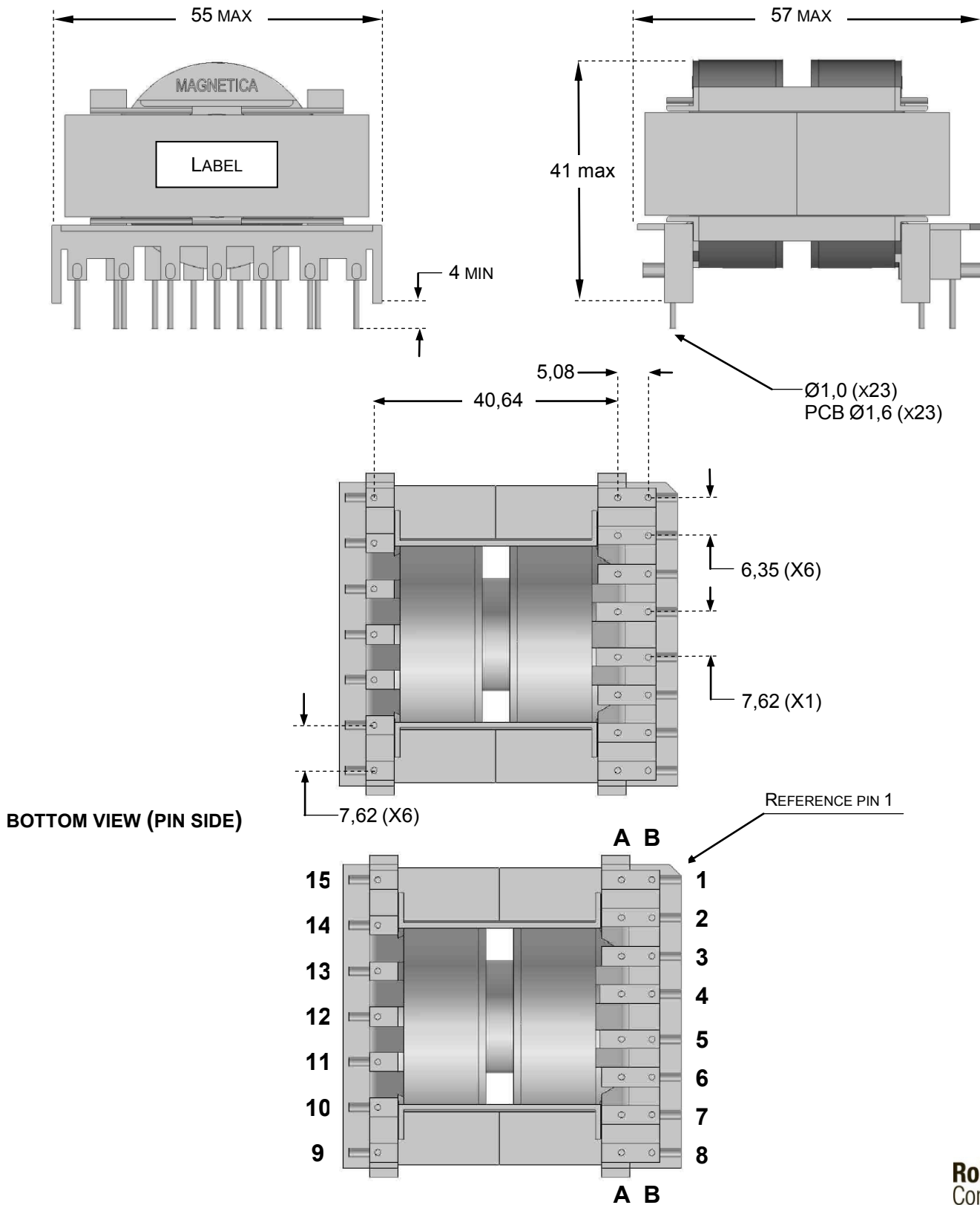
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DIMENSIONAL DRAWING



BOTTOM VIEW (PIN SIDE)

DIMENSIONS IN MILLIMETERS, DRAWING NOT IN SCALE



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