

- SWITCHMODE THRU-HOLE TRANSFORMER DESIGNED FOR USE WITH POWER INTEGRATIONS TNY256EN 40W NOTE BOOK CHARGER APPLICATION. DESIGNED TO COMPLY WITH IEC950, EN60950, UL1950/CSA950, SUPPLEMENTARY INSULATION, 300V.
- RoHS COMPLIANT.
- DESIGNED FOR EN55022 AND CISPR-22B CLASS B FOR EMC NOISE PERFORMANCE.
- MEETS ENERGY STAR V2.0 DRAFT REQUIREMENT OF >85% EFFICIENCY.

REVISIONS			
DATE	REV	DESCRIPTION	APPV'D
08/26/2014	-1	Chg. max DCR of FB to 0.050 ohm per specification	R.R.
11/17/2014	-2	Chg. FB(feedback) to FB/Bias for Wdg. 4 - 5	R.R.
12/07/2015	-3	Corrected mm dims, 15.2, 3.7, 21.2, .8	Tjk

**Electrical Specifications:**

Dcr Pri 1 - 2: 0.320  $\Omega$  Max

FeedBack / Bias 4 - 5 : 0.050  $\Omega$  Max

Sec 9 - 7 : 0.025  $\Omega$  Max

Turns Ratio: 1 - 2 : 4 - 5 = 9.2 : 1

1 - 2 : 9 - 7 = 5.75 : 1

Pri Inductance (1 - 2) : 387  $\mu$ H  $\pm$ 5% 132KHz, 0.4Vrms

Leakage Induct. (1 - 2) with (4 - 5)&(9 - 7) shorted : 6.0  $\mu$ H Max, 132KHz, 0.4Vrms

Resonant Frequency (1 - 2), all other wdg open : 1.0 MHz Min

Dielectric : 3000Vac, 60Hz, 1sec Primary to Secondary

Designed for TOP256EN Chip up to 40.0W; VAc in: 90 - 265Vac, 1 DC output +19V@2.1Adc Meets Energy Star V2.0 draft Requirement of >85% efficiency, EN55022 and CISPR-22B for EMC noise performance.

Designed to comply with IEC950, EN60950, UL1950/CSA950 Supplementary Insulation with 300V working voltage.

All dimensions are reference unless otherwise specified. mm = [ ]

**PREM**<sup>®</sup>  
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SCALE: None

APPROVED BY:

DRAWN BY: G.G.

DATE: 06/03/09

*Gary Garcia*

REVISED:

Top256EN 40W Transformer

40 W Notebook Charger

DRAWING NUMBER

SPP-4006-3

