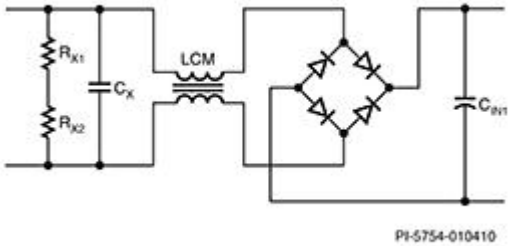


| | | | |
|--------|-------|----|-----|
| | | | |
| VACMIN | 195 | V | |
| VACMAX | 265 | V | |
| FL | 50 | Hz | |
| TC | 1,69 | ms | |
| Z | 0,63 | | |
| | 83,0 | % | |
| IAVG | 0,59 | A | () |
| VMIN | 245,0 | V | |
| VMAX | 374,8 | V | |

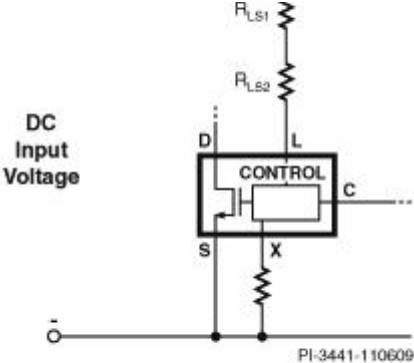
| | | | |
|-----------------|-------|---------|-----|
| | | | |
| Fuse | 1,00 | A | |
| Thermistor | 10,00 | | |
| Input Rectifier | DF06M | | / |
| CIN1 | 150,0 | μ F | |
| LCM | 6,0 | mH | |
| CX | 330,0 | nF | X - |
| RX1 | 1,10 | M | |
| RX2 | 1,10 | M | |
| CY | 2,20 | nF | Y- |



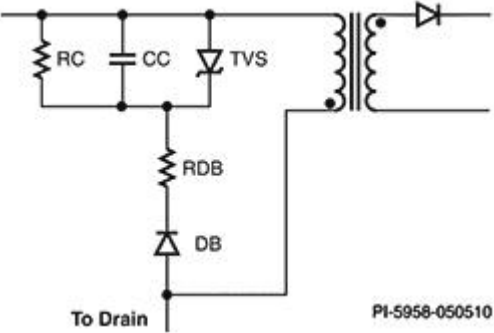
| | | | |
|------------------|----------|----|----|
| | | | |
| | TOP247YN | | PI |
| PO | 120,07 | W | |
| VDRAIN Estimated | 587,49 | V | |
| VDS | 13,18 | V | - |
| FS | 132000 | Hz | |
| KP | 0,66 | | / |



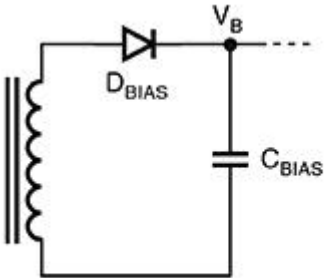
| | | | |
|----------------|------------|------|---------|
| KI | 0,90 | | |
| ILIMITEXT | 3,02 | A | |
| ILIMITMIN | 3,35 | A | |
| ILIMITMAX | 3,85 | A | |
| CBP | 0,10 | µF | Bypass |
| RIL | 6,98 | k | |
| RLS | 2,4 | M | |
| RLS2 | 2,4 | M | |
| IP | 2,39 | A | (VMIN) |
| IRMS | 1,01 | A | (VMIN) |
| P_NO_LOAD | 500 | mW | " " |
| DMAX | 0,37 | | |
| RTH_DEVICE | 12,92 | °C/W | PI |
| DEV_HSINK_TYPE | | | PI |
| DEV_HSINK_PN | 6232PB-MTG | | PI |



| | | | |
|--------|----------|----|-----|
| | | | |
| DB | FR106 | | |
| RCLAMP | 27,00 | k | |
| RC_NUM | 2 | | |
| CCLAMP | 5,600 | nF | |
| RDB | 5,10 | | |
| VCLAMP | 175 | V | |
| VRZ | P6KE200A | | |
| | 2,22 | W | () |



| | | | |
|-------|-------|-----|---------|
| | | | |
| VB | 12,0 | V | |
| IB | 0,006 | A | |
| VDB | 1,00 | V | |
| PIVB | 52 | V | |
| CBIAS | 1,0 | μF | |
| NB | 4 | | |
| | 25 | AWG | |
| | 2- | | |
| | 0,26 | | |
| () | 5 | | () () |
| () | 4 | | () () |



PI-5925-042310

| | | | |
|--------|--------------------------|---------|-----|
| | | | |
| | EI33_sam | | |
| | NC-2H (Nicera) | | |
| | Generic, 6 pri. + 6 sec. | | |
| | . | | |
| | 5 | | |
| | 2 | | |
| LP | 405 | μH | |
| LP_Tol | 10,0 | % | |
| LP_nom | 450 | μH | |
| NP | 37,6 | | |
| NSM | 7 | | " " |
| CMA | 402 | Cmils/A | |
| VOR | 135,0 | V | |
| BW | 15,70 | mm | |



| | | | |
|-------|--------|-------|----------|
| ML | 0,00 | mm | |
| MR | 0,00 | mm | |
| FF | 86 | % | . 100% , |
| AE | 101,40 | mm | |
| ALG | 287 | nH/T | |
| BM | 2546 | Gauss | |
| BP | 3695 | Gauss | |
| BAC | 840 | Gauss | |
| LG | 0,411 | mm | |
| L_LKG | 6,75 | μH | |
| LSEC | 20 | nH | . |

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|--|--|--|--|--|
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| | | | |
|----------------|------|-----|---------|
| | | | |
| NP1 | 19 | | |
| | 27 | AWG | |
| | 2- | | |
| L | 0,99 | | |
| DC Copper Loss | 0,11 | W | 1- |
| PIN_S | 3 | | () () |
| PIN_T | 2 | | () () |

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

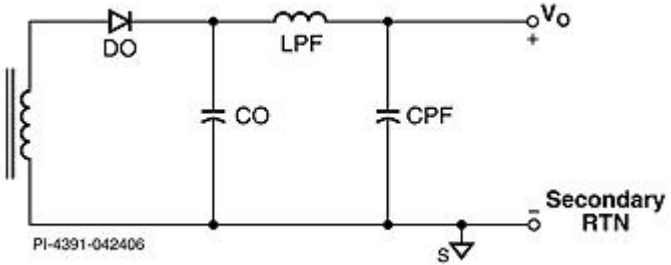
, 2

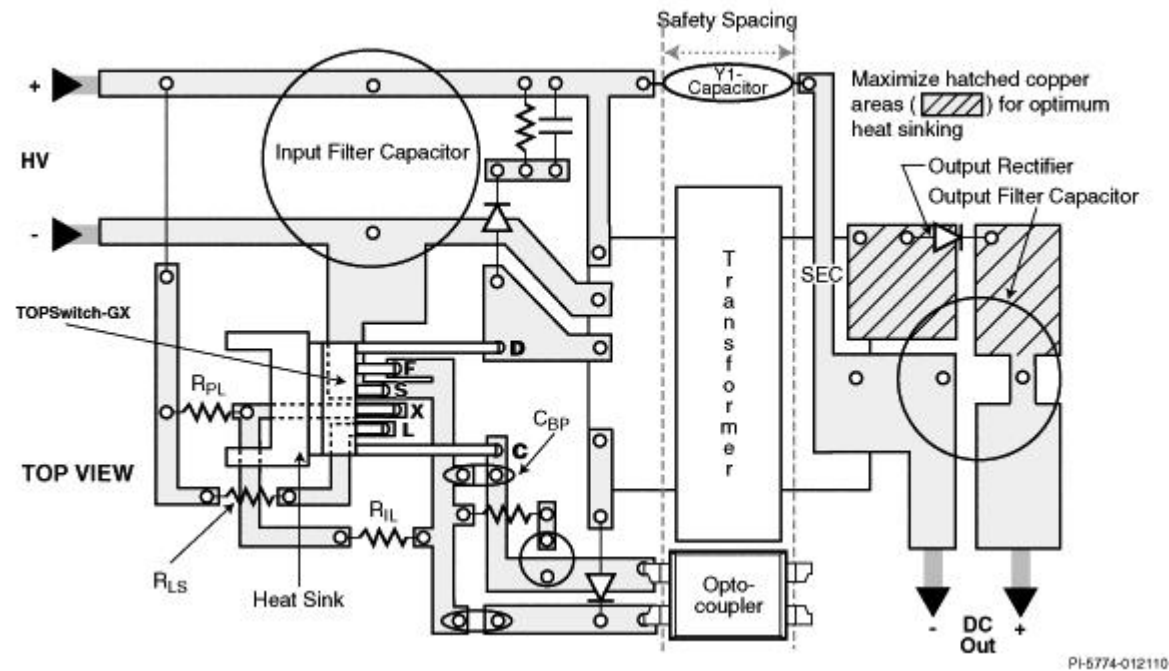
| | | | |
|-----|------|-----|--|
| | | | |
| NP2 | 19 | | |
| | 27 | AWG | |
| | 2- | | |
| L2 | 0,99 | | |

| | | | |
|----------------|------|---|---------|
| DC Copper Loss | 0,16 | W | 2- |
| PIN_S2 | 2 | | () () |
| PIN_T2 | 1 | | () () |

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

| | | | |
|-------------------|---------------|------|---------|
| | | | |
| VO | 24,00 | V | |
| IO | 5,00 | A | |
| VOUT_ACTUAL | 24,00 | V | |
| NS | 7 | | |
| | 5 | mil | |
| | | | |
| L_S_OUT | 7,00 | | |
| DC Copper Loss | 0,13 | W | |
| () () | 8 | | () () |
| () () | 7 | | () () |
| VD | 1,15 | V | |
| PIVS | 93 | V | |
| ISP | 12,85 | A | |
| IS RMS | 7,11 | A | |
| DO | BYV32-200 | | |
| RTH_DIODE | 9,26 | °C/W | |
| OD_HSINK_TYPE | | | |
| OD_HSINK_PN | 508222B00000G | | |
| RSNUB | 390,0 | | RC |
| CSNUB | 27 | pF | RC |
| CO | 1000 x 2 | μF | |
| IRIPPLE | 5,06 | A | |
| Expected Lifetime | 44872 | hr | |



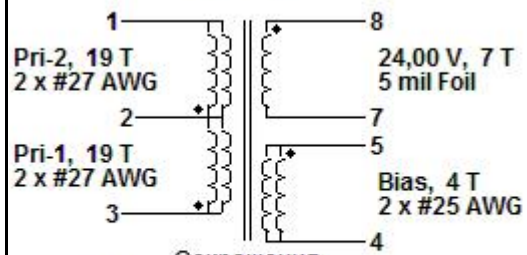


| | | |
|---|-----------|--------|
| | | |
| 1 | | ? |
| 2 | | SOURCE |
| 3 | L X | DRAIN |
| 4 | RLS1 RLS2 | L |
| 5 | | ? |

| I | | | | | | |
|----|---|---------|---------------|--|--------------------------|----------------------|
| 1 | 1 | BR1 | DF06M | 600 V, 1,00 A, , DFM | International Rectifier | DF06M |
| 2 | 1 | C1 | 330 nF | 330 nF, 275 VAC, , X | Panasonic | ECQ-U2A334ML |
| 3 | 1 | C2 | 150 µF | 150 µF, 400 V, 1326 m , (35 mm x 18 mm) | United Chemi-Con | EPAG400VB151M18X35LL |
| 4 | 1 | C3 | 5,6 nF | 5,6 nF, 1 kV, | Panasonic | ECK-D3A562KBN |
| 5 | 1 | C4 | 0,1 µF | 0,1 µF, 50 V, , X7R | Murata | RPER71H104K2P1A03B |
| 6 | 1 | C5 | 47 µF | 47 µF, 10 V, , . , 1040 m , (11 mm x 5 mm) | United Chemi-Con | KME10VB47RM5X11LL |
| 7 | 1 | C6 | 2,2 nF | 2,2 nF, 250 VAC, , Y | Vishay | 440LD22-R |
| 8 | 1 | C7 | 27 pF | 27 pF, 1 kV, | Panasonic | ECC-D3A270JGE |
| 9 | 1 | C8 | 1 µF | 1 µF, 50 V, , . , 1080 m , (11 mm x 5 mm) | United Chemi-Con | EKMG500ELL1R0ME11D |
| 10 | 2 | C9, C10 | 1000 µF | 1000 µF, 35 V, , 18 m , (25 mm x 12,5 mm) | United Chemi-Con | EKZE350ELL102MK25S |
| 11 | 1 | C11 | 100 µF | 100 µF, 35 V, , , 180 m , (15 mm x 6,3 mm) | United Chemi-Con | ELXZ350ELL101MF15D |
| 12 | 1 | C12 | 33 nF | 33 nF, 50 V, , X7R | Murata | RPER71H333K2P1A03B |
| 13 | 1 | D1 | FR106 | 800 V, 1,00 A, , 250 ns, DO-41 | Diodes Inc. | FR106 |
| 14 | 1 | D2 | 1N4148 | 75 V, 0,30 A, , 8 ns, DO-35 | Vishay | 1N4148 |
| 15 | 1 | D3 | BYV32-200 | 200 V, 18,00 A, , 25 ns, TO-220AC | Vishay | BYV32-200 |
| 16 | 1 | F1 | 1 A | 250 VAC, 1 A, Radial TR5, Time Lag Fuse | Littelfuse / Wickmann(R) | 37411000410 |
| 17 | 1 | HS1 | 6232PB-MTG | 10 °C/W TO-220. PI U1. | Aavid | 6232PB-MTG |
| 18 | 1 | HS2 | 508222B00000G | 7,4 °C/W TO-220. D3. | Aavid | 508222B00000G |
| 19 | 1 | L1 | 6 mH | 6 mH, 1,6 A | Panasonic | ELF18N016 |
| 20 | 1 | L2 | 3,3 µH | 3,3 µH, 5,5 A | JW Miller | RL622-3R3K-RC |
| 21 | 2 | R1, R2 | 1,1 M | 1,1 M , 5 %, 0,25 W, | | |
| 22 | 2 | R3, R4 | 27 k | 27 k , 5 %, 2 W, | | |
| 23 | 1 | R5 | 5,1 | 5,1 , 5 %, 0,25 W, | | |
| 24 | 1 | R6 | 6,98 k | 6,98 k , 1 %, 0,125 W, | | |
| 25 | 2 | R7, R8 | 2,4 M | 2,4 M , 5 %, 0,25 W, | | |
| 26 | 1 | R9 | 6,8 | 6,8 , 5 %, 0,125 W, | | |
| 27 | 1 | R10 | 390 | 390 , 5 %, 0,25 W, | | |
| 28 | 1 | R11 | 1270 | 1270 , 1 %, 0,125 W, | | |
| 29 | 1 | R12 | 1 k | 1 k , 5 %, 0,125 W, | | |
| 30 | 1 | R13 | 97,6 k | 97,6 k , 1 %, 0,125 W, | | |
| 31 | 1 | R14 | 11,3 k | 11,3 k , 1 %, 0,125 W, | | |

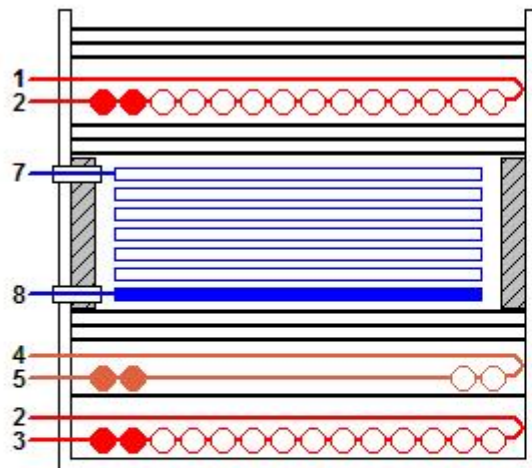
| | | | | | | |
|----|---|-----|----------|--------------------------------------|--------------------|------------------|
| 32 | 1 | RT1 | 10 | NTC 10 , 1,7 A | Thermometrics | CL-120 |
| 33 | 1 | T1 | EI33_sam | NC-2H (Nicera) | TDK | PC40EI33/29/13-Z |
| 34 | 1 | U1 | TOP247YN | TOPSwitch-GX, TOP247YN, TO-220 | Power Integrations | TOP247YN |
| 35 | 1 | U2 | LTV817A | LTV817A, 35 V, CTR 80 - 160 %, 4-DIP | Liteon | LTV817A |
| 36 | 1 | U3 | TL431 | 2,495 V, , 2 %, TO-92 | ON Semiconductor | TL431 |
| 37 | 1 | VR1 | P6KE200A | 200 V, 5 W, 5 %, DO-204AC, TVS | Vishay | P6KE200A |

EI33_sam



Сокращения

Pri-1 = Первичная обмотка (Секция 1)
Pri-2 = Первичная обмотка (Секция 2)



Первичная обмотка (Секция 2)

24,00 V

Обмотка смещения

Первичная обмотка (Секция 1)

Сокращения

- Механическое начало обмотки (также определяет электрическую фазу)
- Механическое начало обмотки фольгой (также определяет электрическую фазу)
- ↻ Направление намотки (по часовой стрелке)

(1)

() 3

19

(2

)

[5]

1

()

() 2.

1

[3],

() 5 4 (2) [6].
() 4.
3 , [3], .
3 ([8]) 3 () 8 7 [7].
3 , [3], .
(2)
() 2 19 (2) [5] 1 () .
() 1.
3 , [3], .
[1].
[4].

1.
2.

| | |
|-----|---|
| | |
| [1] | : EI33_sam, NC-2H (Nicera) , ALG - 287 / ². |
| [2] | : Generic, 6 pri. + 6 sec. |
| [3] | : [1 (25)] 15,70 . |
| [4] | . |
| [5] | : 27 AWG, . |
| [6] | : 25 AWG, . |
| [7] | : 5 mil , 9,7 , : 2 x 23 AWG |
| [8] | : 3 . |

| | | |
|---------------|-----------------------|------|
| | | |
| , VAC | 60 1 , 1,2,3,4,5 7,8. | 3000 |
| , | 1 , 1 | 450 |
| Tolerance, ±% | 3, . | 10,0 |
| , | 1 3, . | 6,75 |

| | | | | | | | |
|--------------|---|---|---|---|---------------------|----|-------|
| | , | (| , | , | Power Integrations. |), | Power |
| Integrations | | http://www.powerint.com | | | | | |