



Isolation Voltage: 1.5 KV
 Current Feedback Shunt: 75 mΩ / 15 Amp

P2-2 = 3.56V
 R6=100K, R12 = 5.7K
 TP1 = 2.018V

R1=200K, R3=10K
 P1-1=4.04, V1=0.14
 TPP1=3.11 TPP1-TPN1=1.13
 TPN1=1.99 TP1=2.26
 TP9=4.52

P1-3=0.152
 TPP2=3.15
 TPN2=1.94
 TPP2-TPN2=1.21
 TP2=2.44
 TP10=4.82

P1
 V-FB
 Voltage Feedback

I-FB
 Current Feedback

GND
 Conn-4x2

Notes 1
 1 light bulb delay angle =10, Full output = 103V
 V-FB = 3.34
 R2=100K, R4=5K V1=0.132
 TPP1=3.074, TPN1=2.021
 TPP1-TPN1=1.053 TP1=2.12

Notes 1
 2 light bulb delay angle =10, Full output = 103V
 V2=0.15V
 TPP2=3.16, TPN2=1.948
 TPP2-TPN2=1.212 TP2=2.42

AMC1200BDWWR isolation amplifiers

Working Voltage: 1200 VPEAK, Isolation Voltage: 4250 VPEAK.
 AD202KN isolation amplifiers (1500 Vrms, 2000 V peak).

- Notes**
- Select R1 and R3 for proper voltage feedback applied to U1
 Select R2 and R4 for proper current feedback applied to U2
 - Follow the formula given to set TP1 and TP2 to get 2-3 Vdc voltage.
 - For parallel voltage and current regulation loops:
 Junper Pins 1 & 2 of J7.
 - For outer voltage regulation loop and inner current regulation loop:
 Junper Pins 2 & 3 of J7, and Pins 2 & 3 of J8

P4

$$TP9 = TP1 \times (1 + R33/R31) - (V-R3) \times (R33/R31)$$

#NAME?
 #NAME?

$$TP1 = 0.075 \times 8 \times 2 = 1.2V$$

$$FC4F: TP1 = 0.074 \times 8 \times 2 = 1.18V$$

Current Feedback

$$TP1 = 8 \times V1 \times (R13/R11)$$

R9=R11, R13=R15

?????

VE = (VTP1 - TPN1) = 8 * V1

$$TP1 = VE \times (R13/R11)$$

R9=R11, R13=R15

Notes 3 & 4

$$TP2 = VE \times (R14/R16)$$

R10=R12, R14=R16

Notes 3 & 4

$$TP2 = VE \times (R14/R16)$$

R10=R12, R14=R16

Notes 3 & 4

$$TP2 = VE \times (R14/R16)$$

R10=R12, R14=R16

Notes 3 & 4

$$TP2 = VE \times (R14/R16)$$

R10=R12, R14=R16

Notes 3 & 4

$$TP2 = VE \times (R14/R16)$$

R10=R12, R14=R16

Notes 3 & 4

$$TP2 = VE \times (R14/R16)$$

R10=R12, R14=R16

Notes 3 & 4

$$TP2 = VE \times (R14/R16)$$

R10=R12, R14=R16