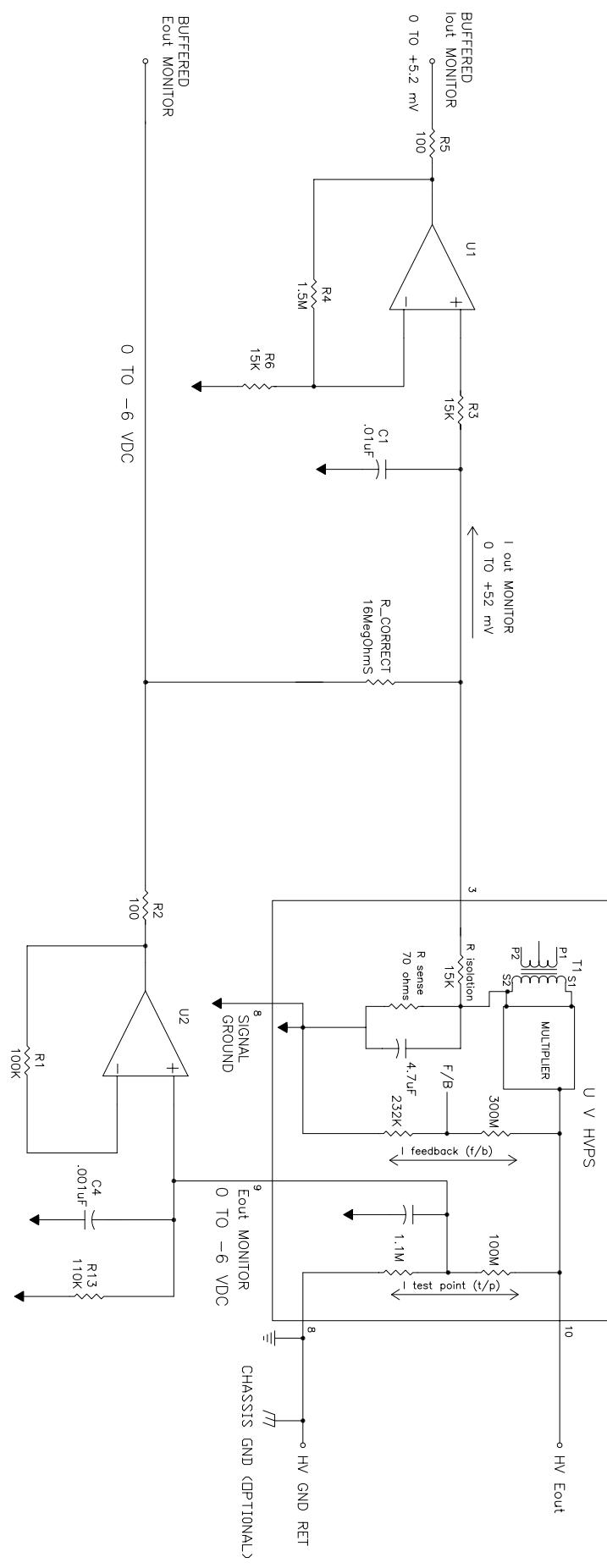


6A 12 - N4 - F



$$(1 f/b + 1 t/p) * R_{sense} = E_{error}$$

$$\frac{6kV}{300M + 232K} = 1 f/b = 0.000020 = 20\mu A$$

$$(20\mu A + 60\mu A) * 70 \text{ ohms} = E_{error} = 5.6mV$$

$$\frac{E_{error}}{R_{isolation}} = | correction$$

$$\frac{6kV}{100M} = 1 t/p = 0.000060 = 60\mu A$$

$$\frac{5.6mV}{15K} = 1 correction = 0.373\mu A = 373nA$$

$$E_{out Monitor} = R_{correction}$$

$$| correction$$

$$\frac{6V}{0.368\mu A} = R_{correction} = 16M$$

UltraVolt, Inc.	
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Ronkonkoma, NY 11779	
1-631-471-4444	

Title

UV-HVPS-CONN-15

Size	Number	Rev.
A	UV-HVPS-CONN-15	C 1
Date	6/5/00	Drawn By M.Z.
Filename	UV-HVPS-CONN-15P2_revC1.dwg	Sheet 2 Of 3