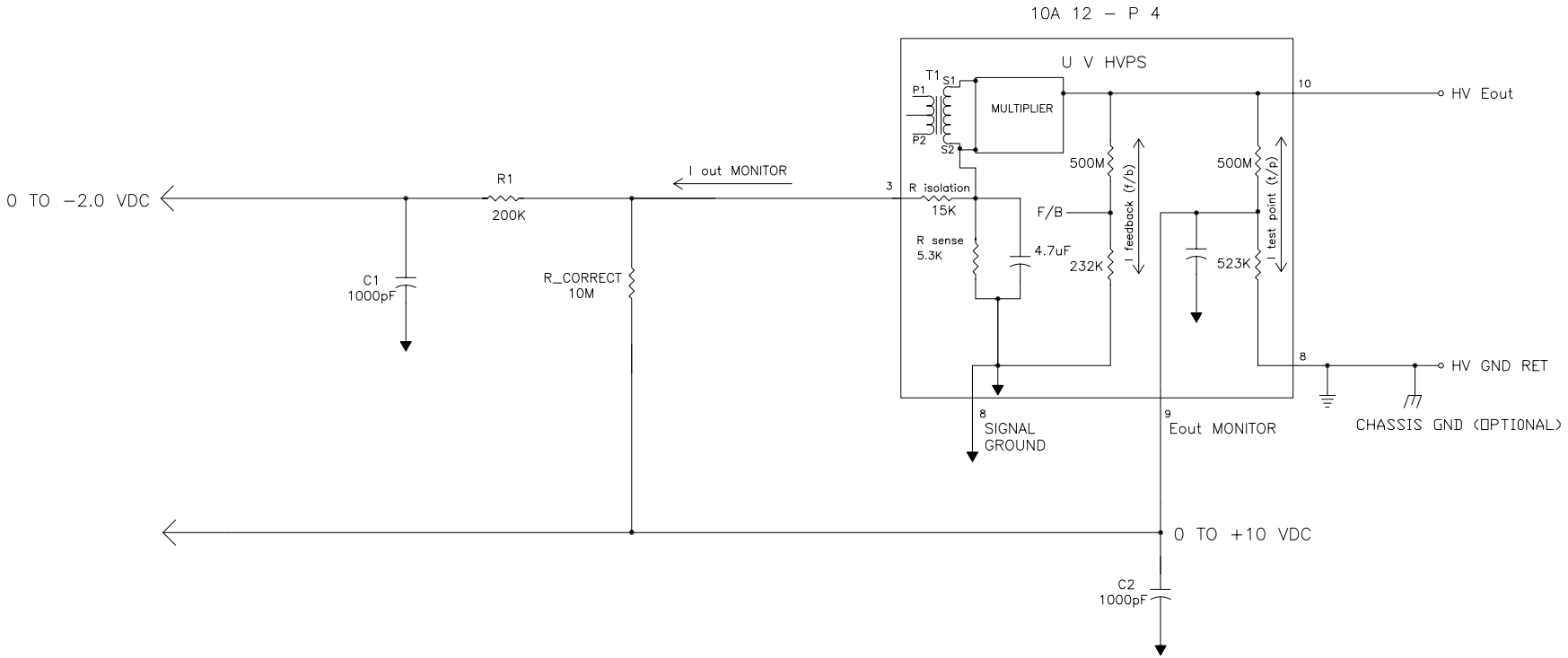

(1 f/b +1 t/p) * R sense = E error

$\frac{10KV}{500M + 523K}$ = 1 f/b = 0.000020 = 20uA

(20uA + 20uA) * 5.3K ohms = E error = 212mV

$\frac{\text{E error}}{\text{R isolation}}$ = I correction

$\frac{10KV}{500M = 523K}$ = 1 t/p = 0.000020 = 20uA

$\frac{212mV}{215K}$ = 1 correction = 0.986uA = 986nA

$\frac{\text{E out Monitor}}{\text{I correction}}$ = R correction

R sense = 5.3K ohms R isolation = 15K + 200K = 215K

$\frac{10V}{0.986uA}$ = R correction = 10.14M

UltraVolt, Inc.
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Title	BUFFERED TRUE Iout MONITOR AND BUFFERED Eout MONITOR	
Size: A	Number: UV– HVPS–CONN–15	Rev.: C1
Date: 6/5/00		Drawn By: M.Z.
Filename: UV-HVPS-CONN-15P1_revC1.dwg		Sheet 1 Of 3