

































Lesson 4_et438b.pptx	
DESIGN CALCULATIONS	
Continued -1-	
Substitute known Values into above	
$0.080 = Z(s) \left[\frac{R_1}{R_1 + R_2} \right] \Rightarrow 0.080 \left[R_1 + R_2 \right] = 10 R_1$	
0.08 Rz = 9.92 RI $Rz = \frac{9.92 RI}{0.08} \implies Rz = 124 RI$ Pick Value of RI and find RZ Let RI = 4.7 KS	
RZ=124 (9.7KZ) = 582.8KZ NON-standard Use standard Value and potentiometer	
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