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## **The RLC Circuit. Transient Response Series RLC Circuit**

Parallel RLC Circuit The RLC Circuit Shown On Figure 6 Is Called The Parallel RLC Circuit. It Is Driven By The DC Current Source  $I_s$  Whose Time Evolution Is Shown On Figure 7. Is  $R$   $L$   $C$   $I_L(t)$   $V$   $+iR(t)$   $I_C(t)$  Figure 6  $T$  Is 0 Figure 7 Our Goal Is To Determine The Current  $I_L(t)$  And ... May 1th, 2024

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Resistor ( 1 KW) Inductor (33mH) Theory: This Lab Is Similar To The RC Circuit Lab Except That The Capacitor Is Replaced By An Inductor. In This Experiment, We Apply A Square Waveform To The RL Circuit To Analyse The Transient Response Of The Circuit. The Pulse-width Relative To The Circuit's Time Constant Determines How It Is Affected By The ... Jan 1th, 2024

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