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Microwave circuit design : a practical approach using ADS / Kyung-Whan Yeom. pages cm Includes index. ISBN 978-0-13-408678-1 (hardcover : alk. paper)—ISBN 0-13-408678-3 1.

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Figure 4-2 Input impedance showing the resonance frequency at  $\omega_0$  The input impedance of the series RLC resonant circuit is given by,  $Z = R + j(\omega L - \frac{1}{\omega C})$  where,  $\omega = 2\pi f$  is the angular frequency in radian per second.

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