





































9.4 Phasor Relationships for Circuit Elements (2)						
Summary of	Summary of voltage-current relationship					
Element	Time domain	Frequency domain				
R	v = Ri	V = RI				
L	$v = L\frac{di}{dt}$	$V = j\omega L I$				
C	$i = C \frac{dv}{dt}$	$V = \frac{I}{j\omega C}$				
		20				





9.	5 Impedar	nce and Ad	mittance ((2)	
	Impedances and admittances of passive elements				
	Element	Impedance	Admittance		
	R	Z = R	$Y = \frac{1}{R}$		
	L	$Z = j\omega L$	$Y = \frac{1}{j\omega L}$		
	C	$Z = \frac{1}{j\omega C}$	$Y = j\omega C$		
			2	3	













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