

UNIVERSITY OF UTAH  
ELECTRICAL ENGINEERING DEPARTMENT

STANDARD ABBREVIATIONS, MULTIPLIERS, AND PREFIXES

**Standard Abbreviations for Electrical Units**

<u>Quantity</u>	<u>Units</u>	<u>Abbreviation</u>
Time	second	s
Frequency	hertz	Hz
Power	watt	W
Charge	coulomb	C
Voltage	volt	V
Current	ampere	A
Resistance	ohm	$\Omega$
Conductance	siemens	S
Capacitance	farad	F
Inductance	henry	H

**Prefixes and Abbreviations for Decimal Multipliers**

<u>Multiplier</u>	<u>Prefix</u>	<u>Abbreviation</u>
$10^{12}$	tera	T
$10^9$	giga	G
$10^6$	mega	M
$10^3$	kilo	k
$10^2$	hecto	h
10	deka	da
$10^{-1}$	deci	d
$10^{-2}$	centi	c
$10^{-3}$	milli	m
$10^{-6}$	micro	$\mu$
$10^{-9}$	nano	n
$10^{-12}$	pico	p
$10^{-15}$	femto	f
$10^{-18}$	atto	a