

APPENDIX 1. RECOMMENDED ABBREVIATIONS

Unit or Term	Symbol or Abbreviation	Unit or Term	Symbol or Abbreviation
alternating current	ac	footcandle	fc
American wire gauge	AWG	footlambert	Fl
ampere	A	foot per minute	ft/min
ampere-hour	Ah	foot per second	ft/s
ampere-turn	At	foot poundal	ft-pdl
amplitude modulation	AM	foot pound-force	ft-lbf
angstrom	Å	frequency modulation	FM
antilogarithm	antilog	frequency-shift keying	FSK
atomic mass unit (unified)	u	gallon	gal
audio frequency	AF	gallon per minute	gal/min
automatic frequency control	AFC	gauss	G
automatic gain control	AGC	gigacycle per second	Gc/s
automatic volume control	AVC	gigaelectronvolt	GeV
average	avg	gigahertz	GHz
backward-wave oscillator	BWO	gilbert	Gb
bar	bar	gram	g
barn	b	henry	H
beat-frequency oscillator	BFO	hertz	Hz
bel	B	high frequency	HF
billion electronvolts*	BeV	high voltage	HV
binary coded decimal	BCD	horsepower	hp
British thermal unit	Btu	hour	h
calorie	cal	inch	in
candela	cd	inch per second	in/s
candela per square foot	cd/ft ²	inductance-capacitance	LC
candela per square meter	cd/m ²	infrared	IR
cathode-ray oscilloscope	CRO	inside diameter	ID
cathode-ray tube	CRT	intermediate frequency	IF
centimeter	cm	joule	J
centimeter-gram-second	CGS	joule per degree	J/deg
circular mil	cmil	joule per kelvin	j/K
continuous wave	CW	kilocycle per second	kc/s
coulomb	C	kiloelectronvolt	keV
cubic centimeter	cm ³	kilogauss	kG
cubic foot per minute	ft ³ /min	kilogram	kg
cubic meter	m ³	kilogram-force	kgf
cubic meter per second	m ³ /s	kilohertz	kHz
curie	Ci	kilohm	kΩ
cycle per second	c/s	kilojoule	kJ
decibel	dB	kilometer	km
decibel referred to one milliwatt	dBm	kilometer per hour	km/h
degree Celsius	°C	kilovar	kvar
degree Fahrenheit	°F	kilovolt	kV
degree Kelvin**	K	kilovoltampere	kVA
degree (plane angle)	... ^o	kilowatt	kW
degree Rankine	°R	kilowatthour	kWh
degree (temperature interval or difference)	deg	lambert	L
diameter	diam	liter	l
direct current	dc	liter per second	l/s
double sideband	DSB	logarithm	lg
dyne	dyn	logarithm, natural	ln
electrocardiograph	EKG	low frequency	LF
electroencephalograph	EEG	lumen	lm
electromagnetic compatibility	EMC	lumen per square foot	lm/ft ²
electromagnetic unit	EMU	lumen per square meter	lm/m ²
electromotive force	EMF	lumen per watt	lm/W
electronic data processing	EDP	lumen second	lm•s
electron volt	eV	lux	lx
electrostatic unit	ESU	magnetohydrodynamics	MHD
erg	erg	magnetomotive force	MMF
extra-high voltage	EHV	maxwell	Mx
extremely high frequency	EHF	medium frequency	MF
extremely low frequency	ELF	mgacycle per second	Mc s
farad	F	megaelectronvolt	MeV
field-effect transistor	FET	megahertz	MHz
foot	ft	megavolt	MV

Unit or Term	Symbol or Abbreviation	Unit or Term	Symbol or Abbreviation
megawatt	MW	pulse-repetition rate	PRR
megohm	M Ω	pulse-time modulation	PTM
metal-oxide semiconductor	MOS	pulse-width modulation	PWM
meter	m	radian	rad
meter-kilogram-second	MKS	radio frequency	RF
mho	mho	radio-frequency interference	RFI
microampere	μ A	resistance-capacitance	RC
microfarad	μ F	resistance-inductance-capacitance	RLC
microgram	μ g	revolution per minute	r/min
microhenry	μ H	revolution per second	r/s
micrometer	μ m	roentgen	R
micromho	μ mho	root-mean-square	rms
micron [†]	μ	second (plane angle)	"..."
microsecond	μ s	second (time)	s
microsiemens	μ S	short wave	SW
microwatt	μ W	siemens	S
mil	mil	signal-to-noise ratio	SNR
mile per hour	mi/h	silicon controlled rectifier	SCR
mile (statute)	mi	single sideband	SSB
milliampere	mA	square foot	ft ²
milligram	mg	square inch	in ²
millihenry	mH	square meter	m ²
milliliter	ml	square yard	yd ²
millimeter	mm	standing-wave ratio	SWR
millimeter of mercury, conventional	mmHg	steradian	sr
millimicron [‡]		superhigh frequency	SHF
millisecond	ms	television	TV
millisiemens	mS	television interference	TVI
millivolt	mV	tesla	T
milliwatt	mW	thin-film transistor	TFT
minute (plane angle)	"...'	transverse electric	TE
minute (time)	min	transverse electromagnetic	TEM
nanoampere	nA	transverse magnetic	TM
nanofarad	nF	traveling-wave tube	TWT
nanometer	nm	ultrahigh frequency	UHF
nanosecond	ns	ultraviolet	UV
nanowatt	nW	vacuum-tube voltmeter	VTVM
nautical mile	nmi	var	var
neper	Np	variable-frequency oscillator	VFO
newton	N	very-high frequency	VHF
newton meter	N•m	very-low frequency	VLf
newton per square meter	N/m ²	vestigial sideband	VSB
oersted	Oe	volt	V
ohm	Ω	voltage controlled oscillator	VCO
ounce (avoirdupois)	oz	voltage standing-wave ratio	VSWR
outside diameter	OD	voltampere	VA
phase modulation	PM	volume unit	vu
picoampere	pA	watt	W
picofarad	pF	watthour	Wh
picosecond	ps	watt per steradian	W/sr
picowatt	pW	watt per steradian square meter	W/(sr•m ²)
pound	lb	weber	Wb
poundal	pdl	yard	yd
pound-force	lbf		
pound-force foot	lbf-ft		
pound-force per square inch	lbf/in ²		
pound per square inch [§]	psi		
power factor	PF		
private branch exchange	PBX		
pulse-amplitude modulation	PAM		
pulse code modulation	PCM		
pulse count modulation	PCM		
pulse duration modulation	PDM		
pulse position modulation	PPM		
pulse repetition frequency	PRF		

*Deprecated: use gigaelectronvolt (GeV).

**Preferably called *kelvin*

†The name micrometer (μ m) is preferred.

‡The name nanometer is preferred.

§Although the use of the abbreviation psi is common, it is not recommended. See pound-force per square inch.