

Charge		Capacitance		Voltage		Permittivity of free space	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
Q	C	C	F	V	V	ϵ_0	Fm^{-1}
Dielectric constant		Area of plate		Potential energy		Time constant	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
ϵ_r	-	A	m^2	E_p	J	T	S
Resistance		Distance between plates		Magnetic flux		Magnetic field strength	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
R	Ω	d	m	Φ	Wb	B	T

EMF		Inductance		Current		Time	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
E	V	L	H	I	A	t	s

Mutual inductance		Alternating Voltage		Number of turns on primary coil		Number of turns on secondary coil	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
M	H	V_p	V	N_p	-	N_s	-

Voltage across secondary coil		Angular frequency		Power		Peak current	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
V_s	V	ω	s⁻¹	P	W	I_{MAX}	A

Peak voltage		Root mean square current		Root mean square voltage		Reactance of a capacitor	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
V_{MAX}	V	I_{RMS}	A	V_{RMS}	V	X_C	Ω
Reactance of an inductor		Impedance		Frequency		Time	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
X_L	Ω	Z	Ω	f	Hz	t	s