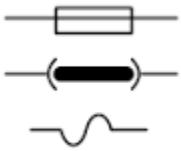
Protezione dal cortocircuito

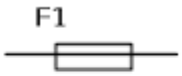
Fusibili

Fusibili standard
in vetro e lamellari

Fusibile automatico
riarmabile



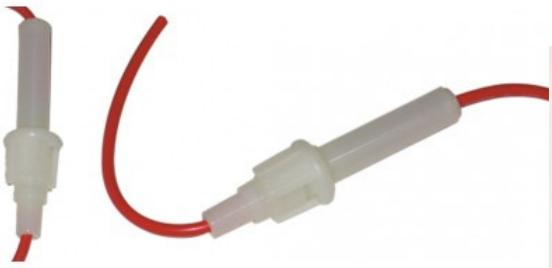
simbolo grafico:fusibile



315mA
250V

identificazione di un fusibile

13A

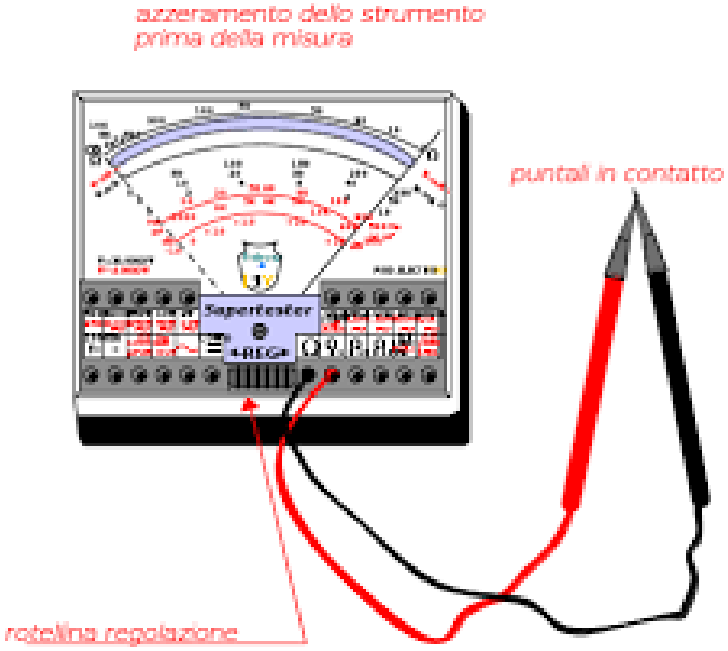


depositphotos

Strumenti di misura analogici

Amperometro e voltmetro

Multimetri o tester analogici



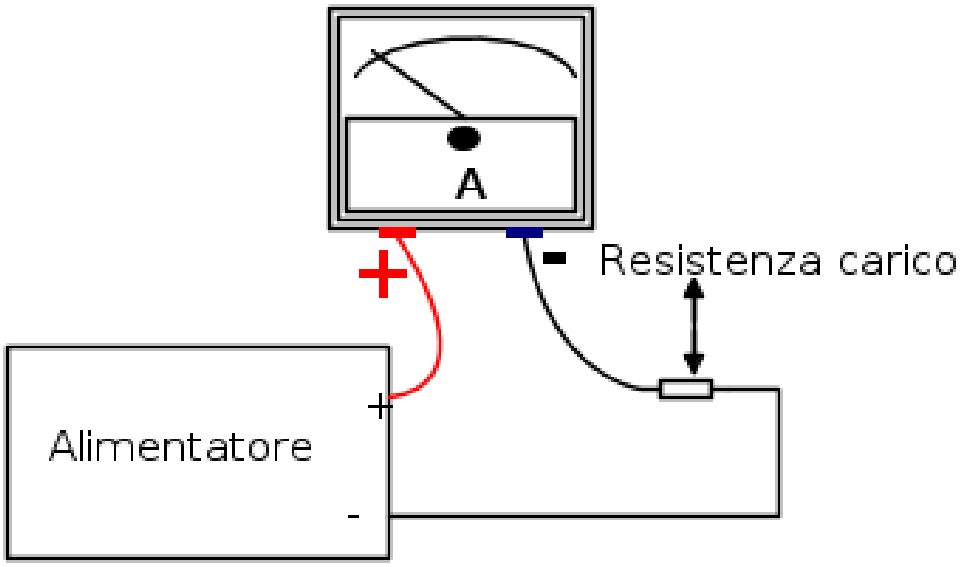
DCV.A
ACV
Lafayette
CE
0Ω ADJ
7040
V⎓
V~
1000
250
50
10
2.5
0.5
0.1
50μA
5
500
10A
x10k
x1k
x100
x10
x1
Ω
mA⎓
FUSED
MAX
10A
COM
VΩmA
CAT II MAX 600V

Strumenti di misura digitali

Misure elettriche

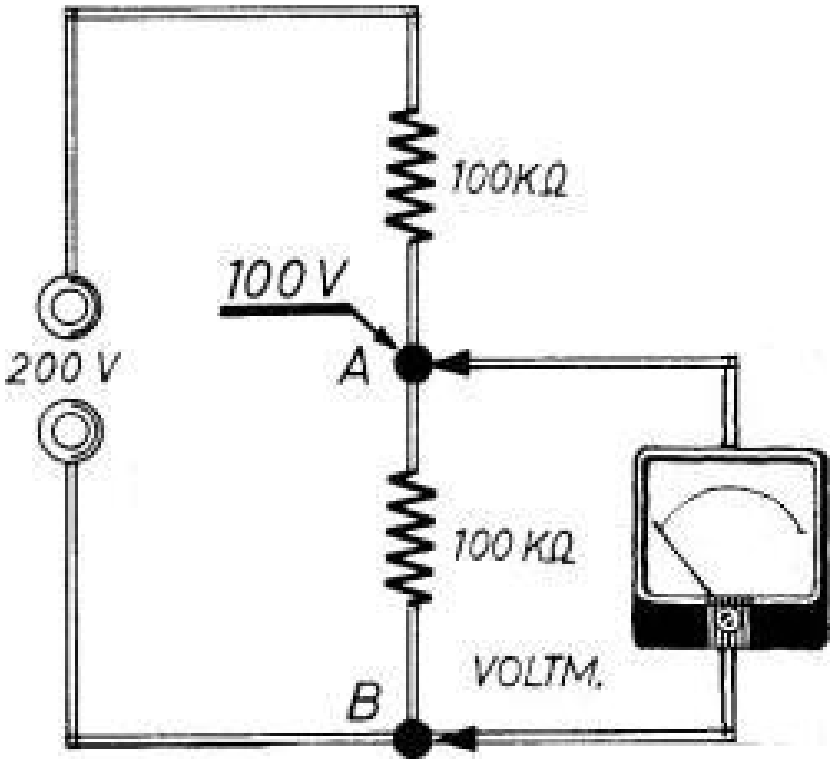
misura di corrente

strumento: amperometro collegato in serie



misura di tensione

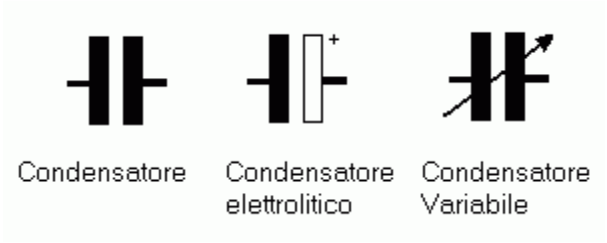
strumento: voltmetro collegato in parallelo



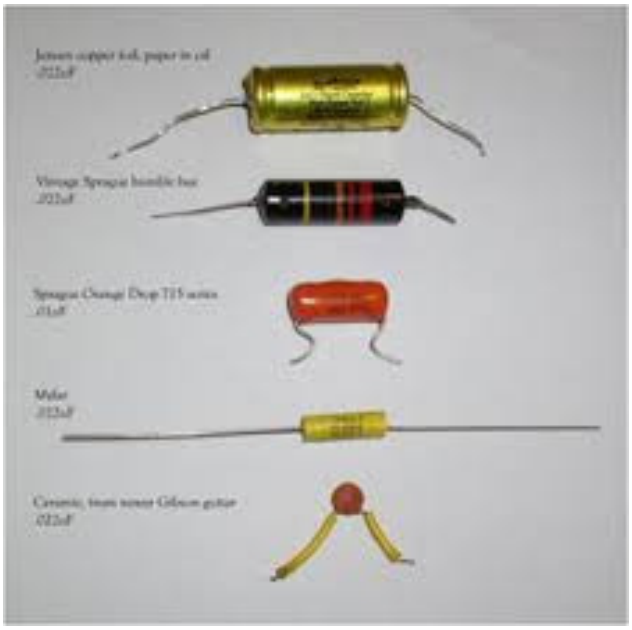
Prefissi moltiplicativi del Sistema SI

fattore di moltiplicazione	prefisso	simbolo	valore
10^{24}	yotta	Y	1 000 000 000 000 000 000 000 000
10^{21}	zetta	Z	1 000 000 000 000 000 000 000
10^{18}	exa	E	1 000 000 000 000 000 000
10^{15}	peta	P	1 000 000 000 000 000
10^{12}	tera	T	1 000 000 000 000
10^{9}	giga	G	1 000 000 000
10^{6}	mega	M	1 000 000
10^{3}	chilo	k	1 000
10^{2}	etto	h	100
10^{1}	deca	da	10
10^{-1}	dieci	d	0.1
10^{-2}	centi	c	0.01
10^{-3}	milli	m	0.001
10^{-6}	micro	µ	0.000 001
10^{-9}	nano	n	0.000 000 001
10^{-12}	pico	p	0.000 000 000 001
10^{-15}	femto	f	0.000 000 000 000 001
10^{-18}	atto	a	0.000 000 000 000 000 001
10^{-21}	zepto	z	0.000 000 000 000 000 000 001
10^{-24}	yocto	y	0.000 000 000 000 000 000 000 001

Condensatore

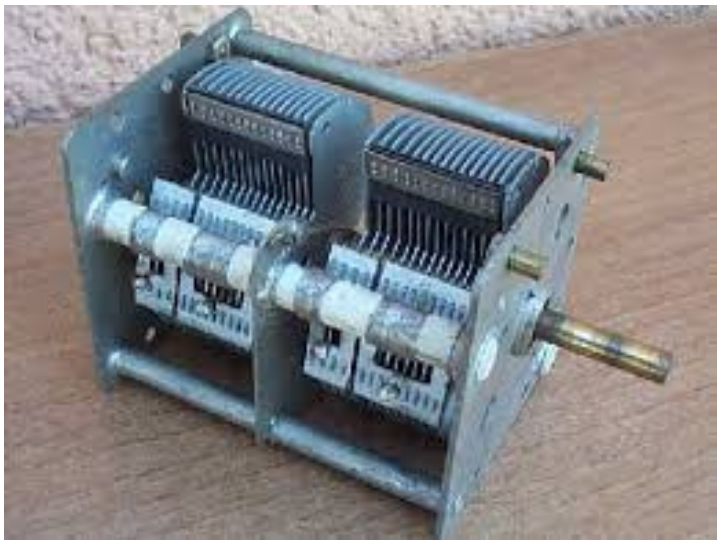


simbolo



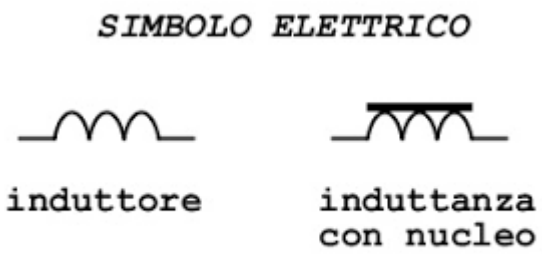
6.8
20V
106
16V
105
0
1
2
3

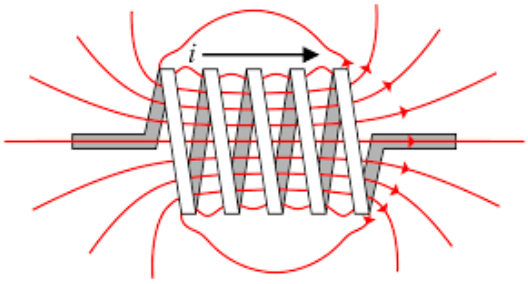
MKT
15µF J250V
MKT
6.8µF J250V
MKT
3.3µF J250V
MKT
2.2µF J250V

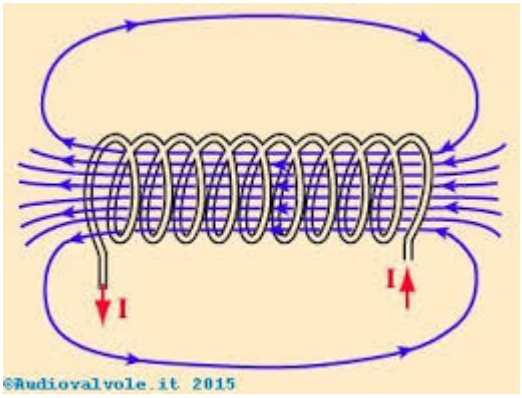


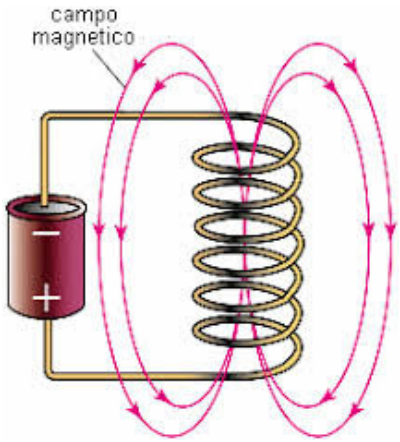
Condensatore variabile ad aria

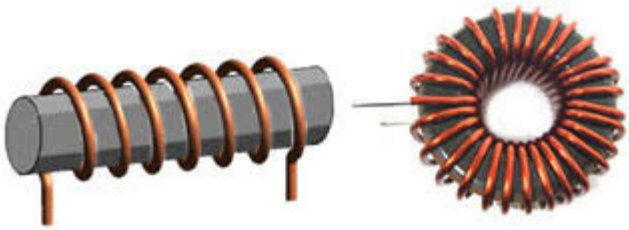
Induttanza


SIMBOLO ELETTRICO
induttore
induttanza
con nucleo

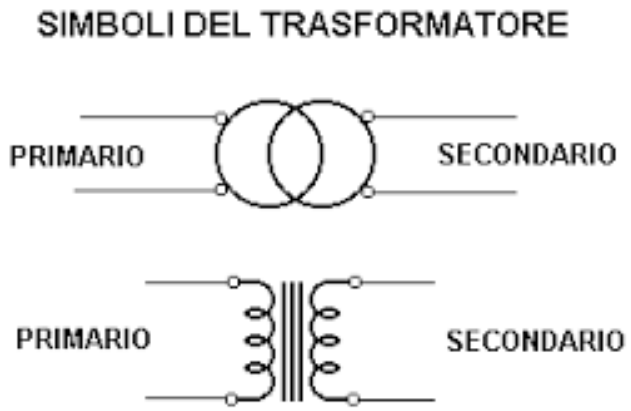

i

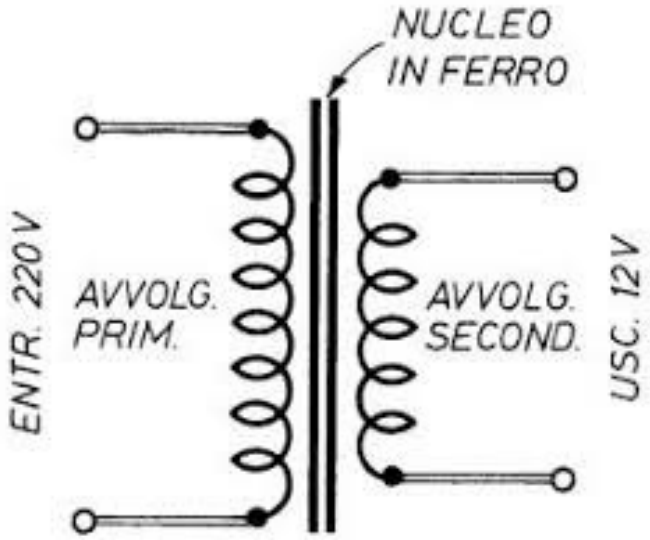

I
I
©Audiovalvole.it 2015

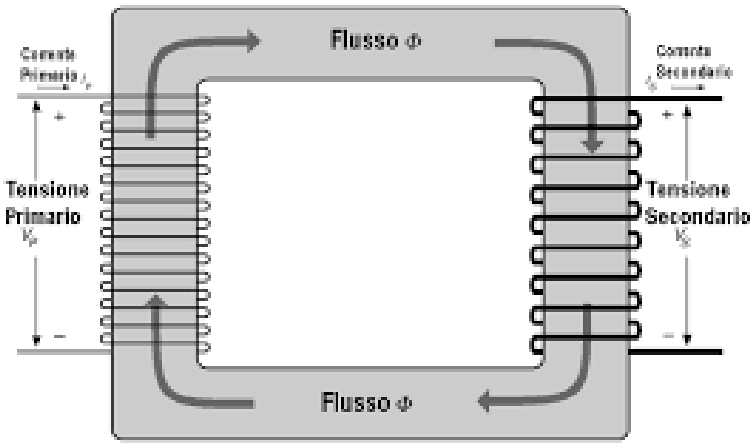

campo
magnetico

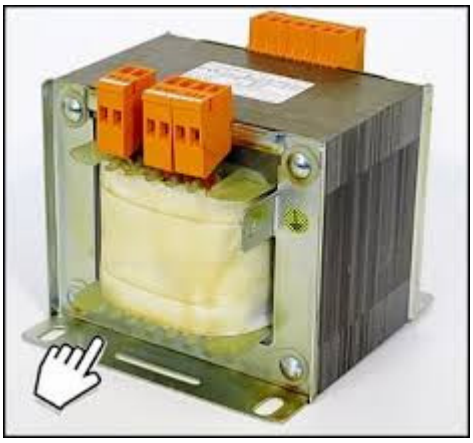


Trasformatore









Schema delle onde elettromagnetiche

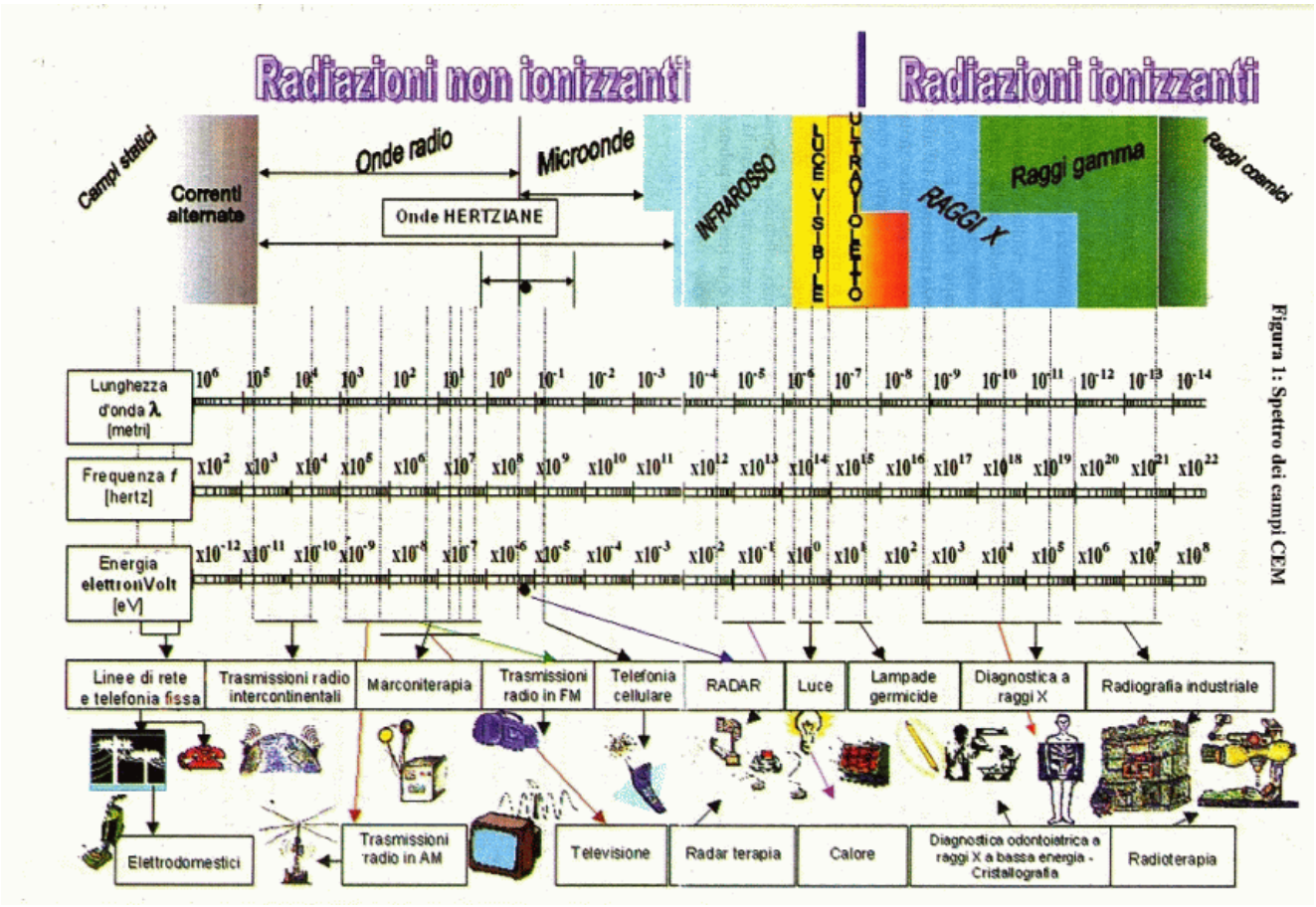
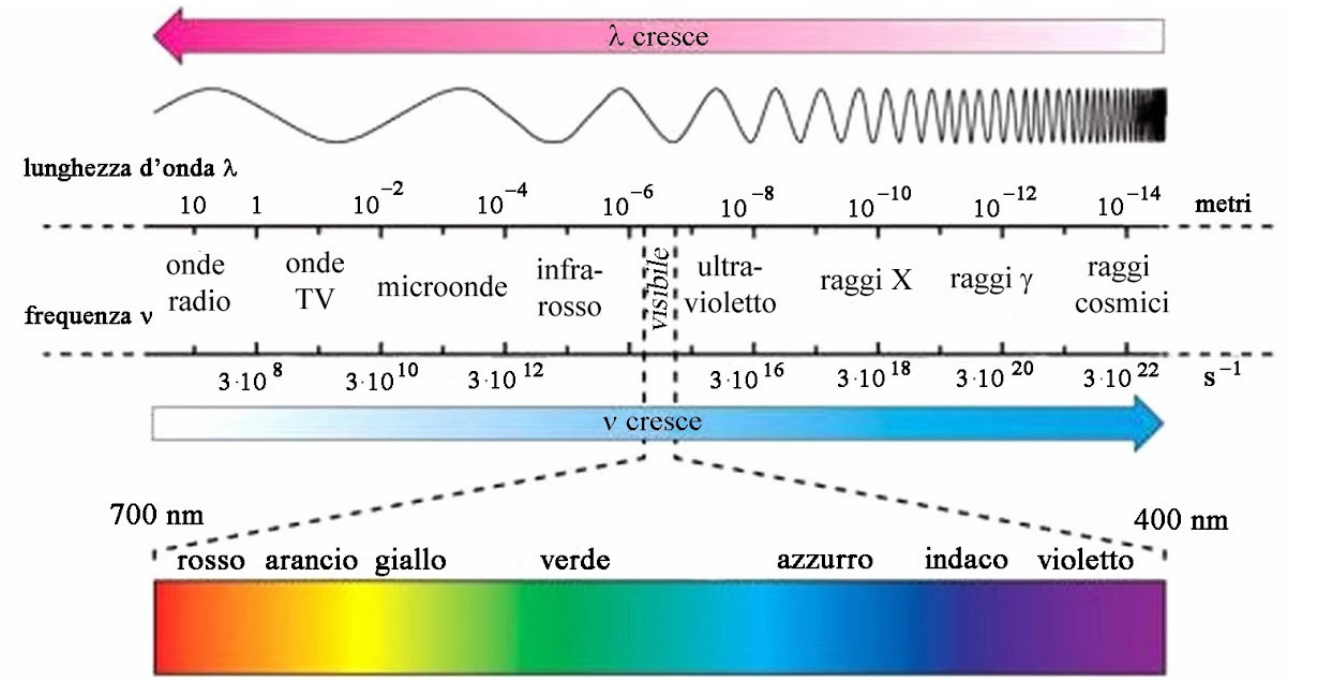
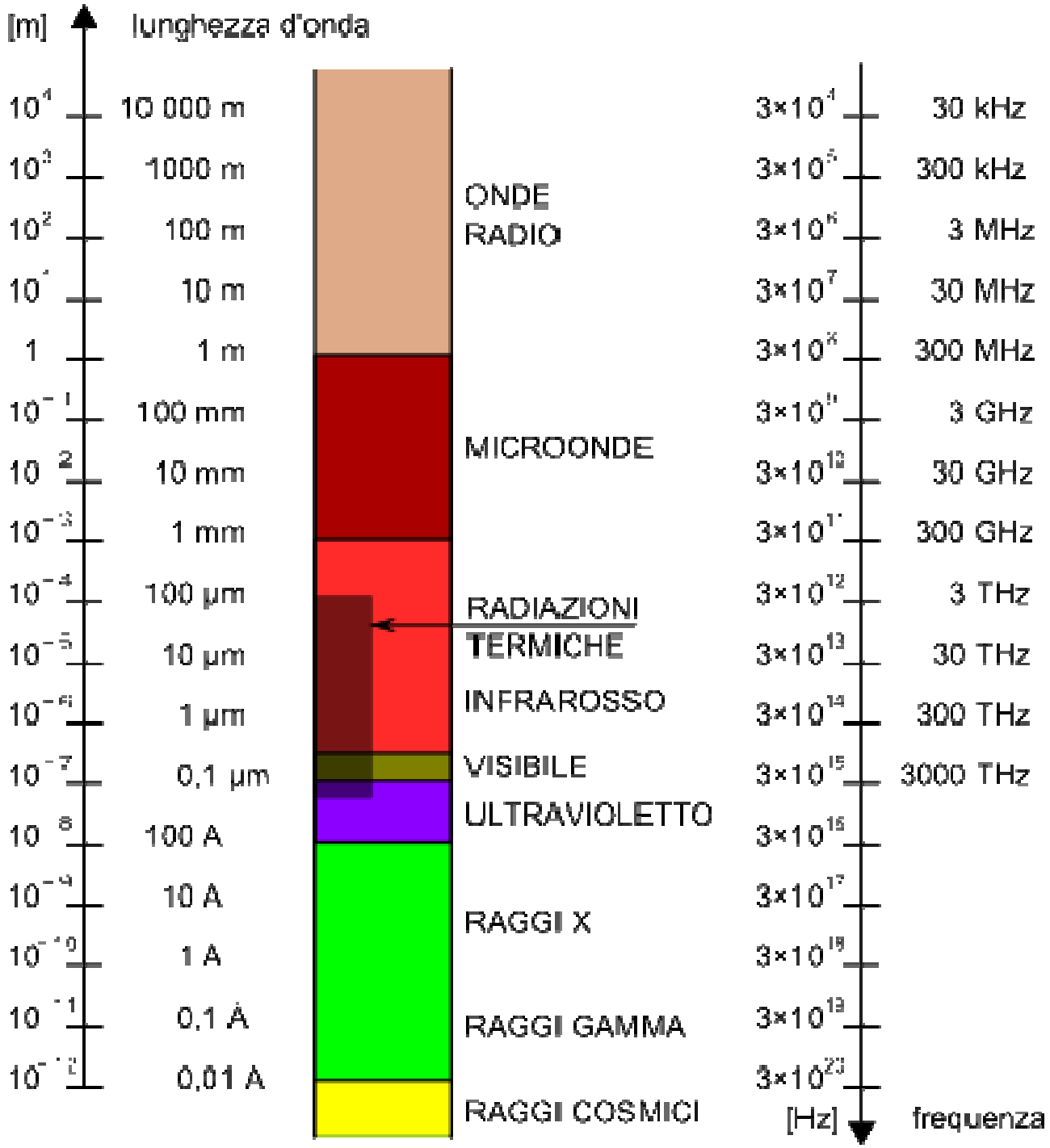


Figura 1: Spettro dei campi CEM

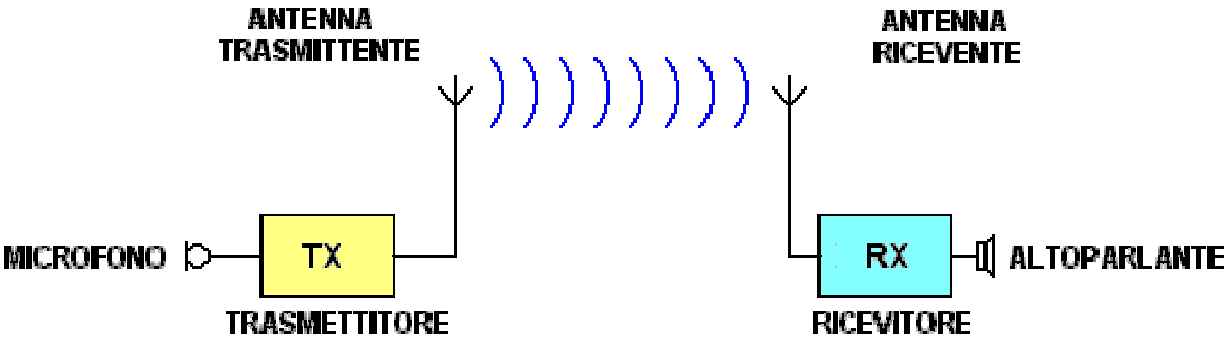


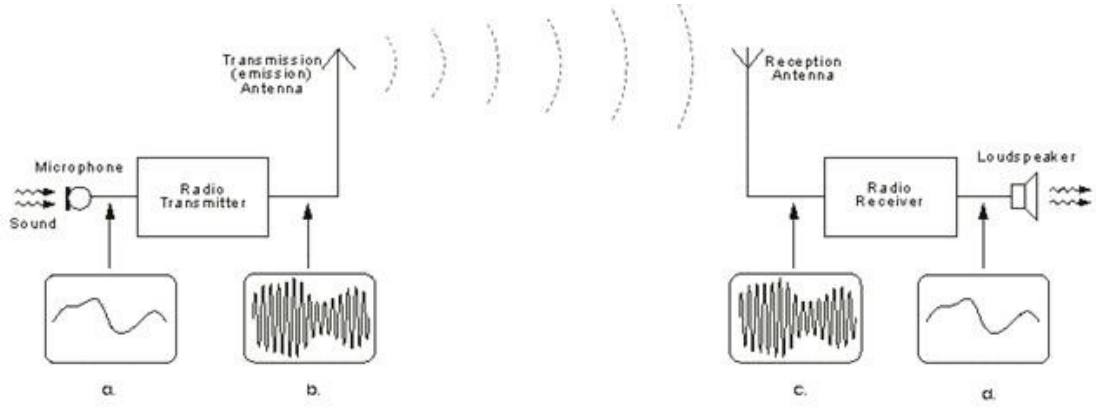


https://www.youtube.com/watch?v=V3Mx9AfUrxc

https://www.youtube.com/watch?v=xMDXef6DCjY

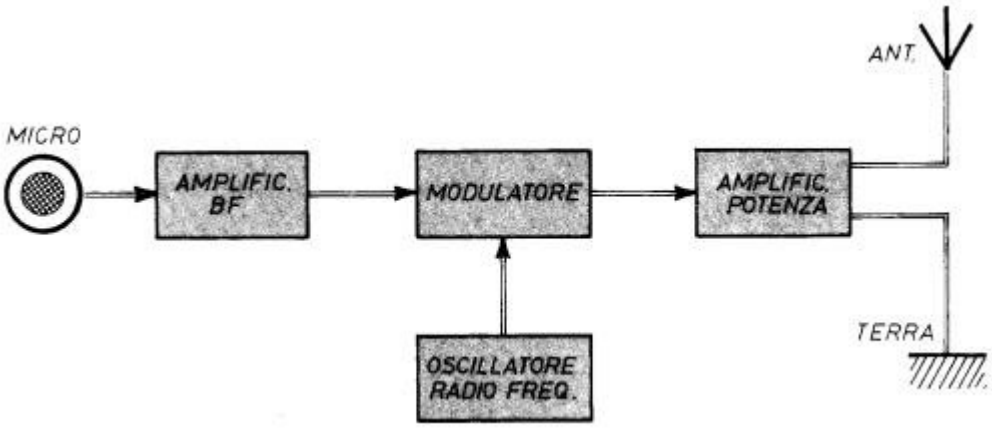
trasmissione -ricezione - schemi di principio





Pic.2.1.Radio Transmission Block-Diagram

Trasmettitore - schema a blocchi



Ricevitore - schema a blocchi

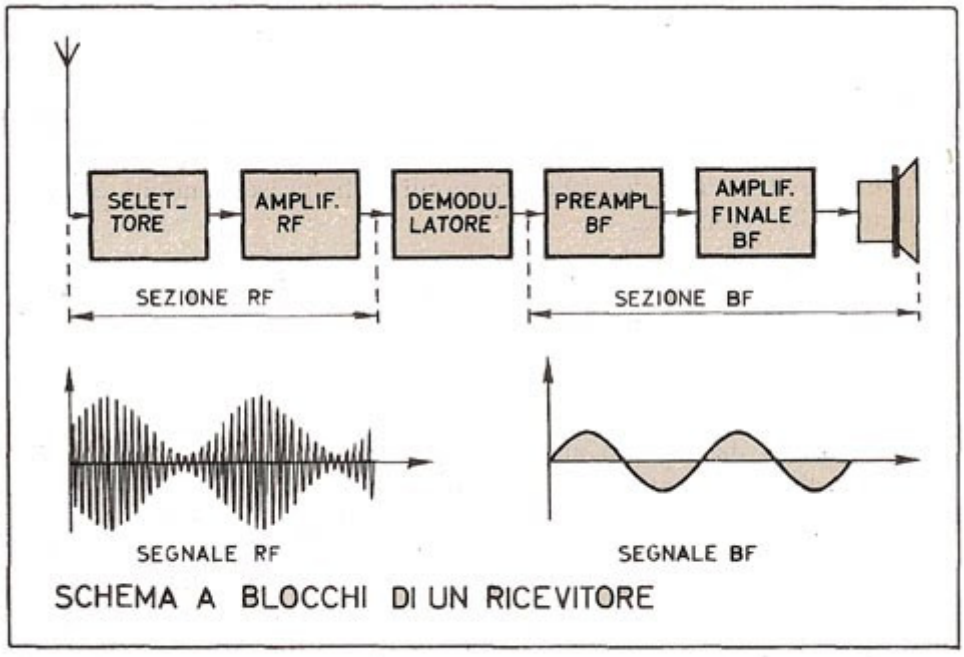
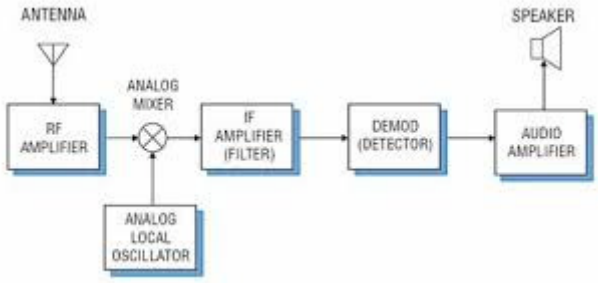
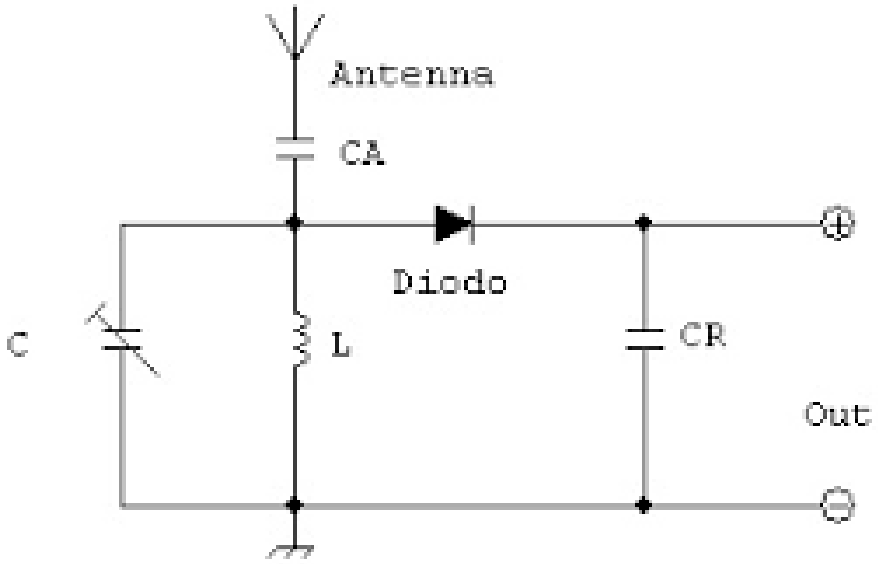


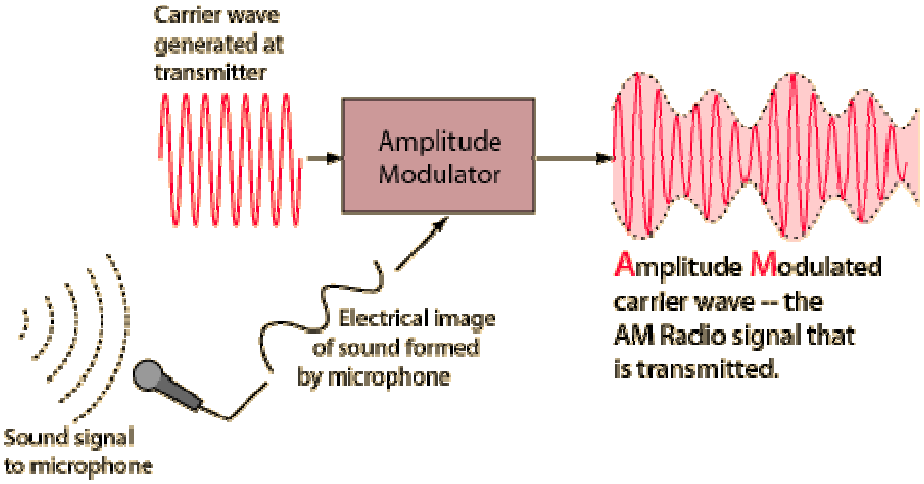
Fig. 1

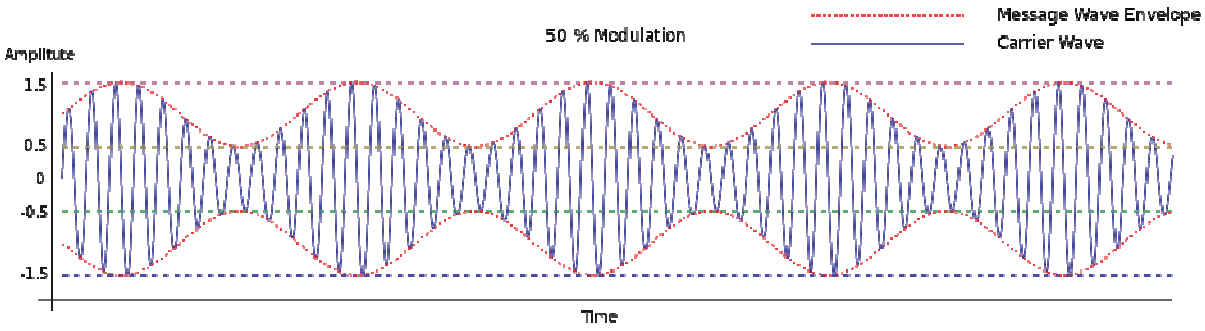


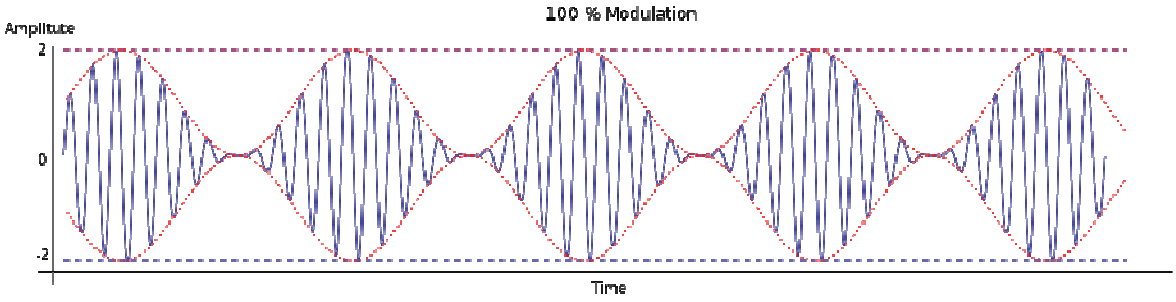
semplice ricevitore senza elementi attivi

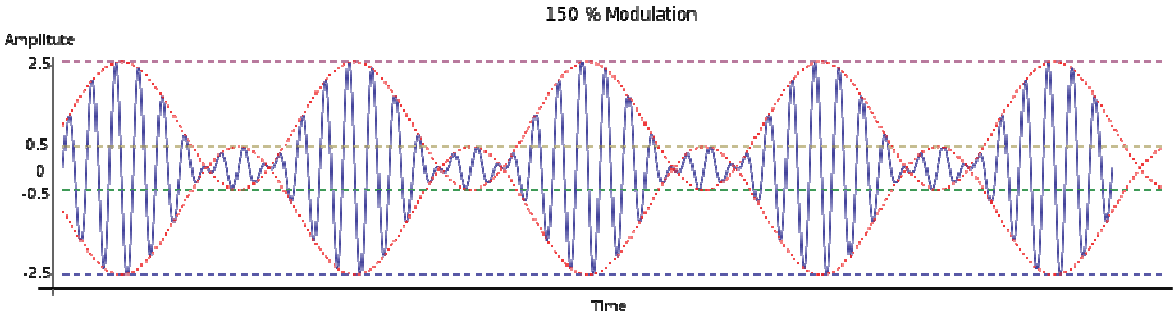


Modulazione di ampiezza

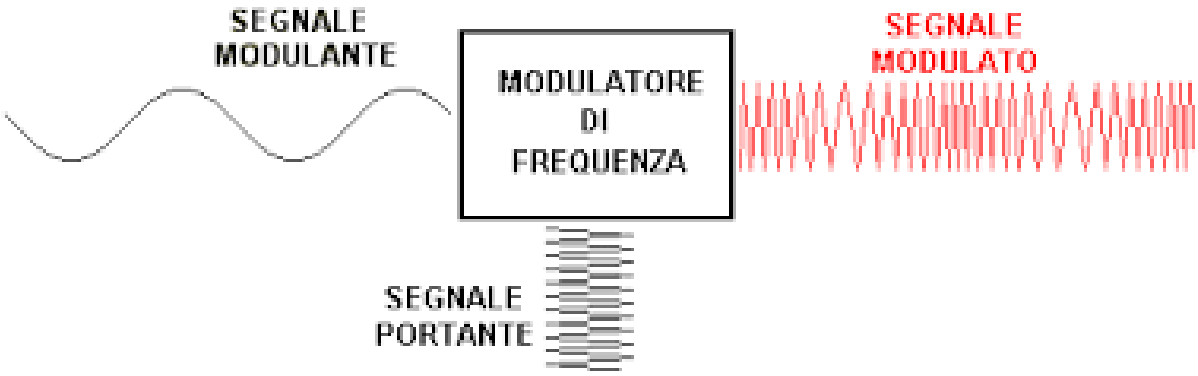




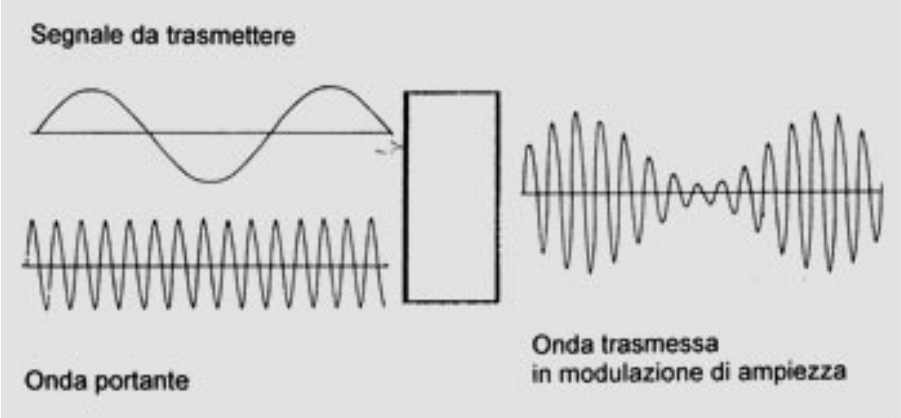


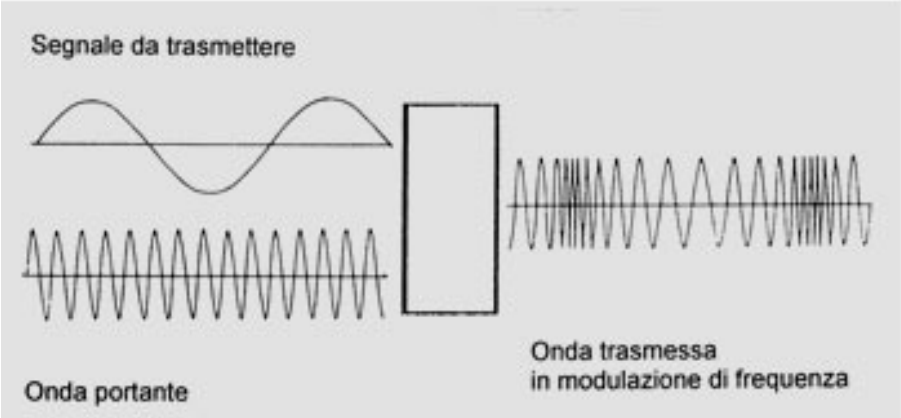


Modulazione di frequenza

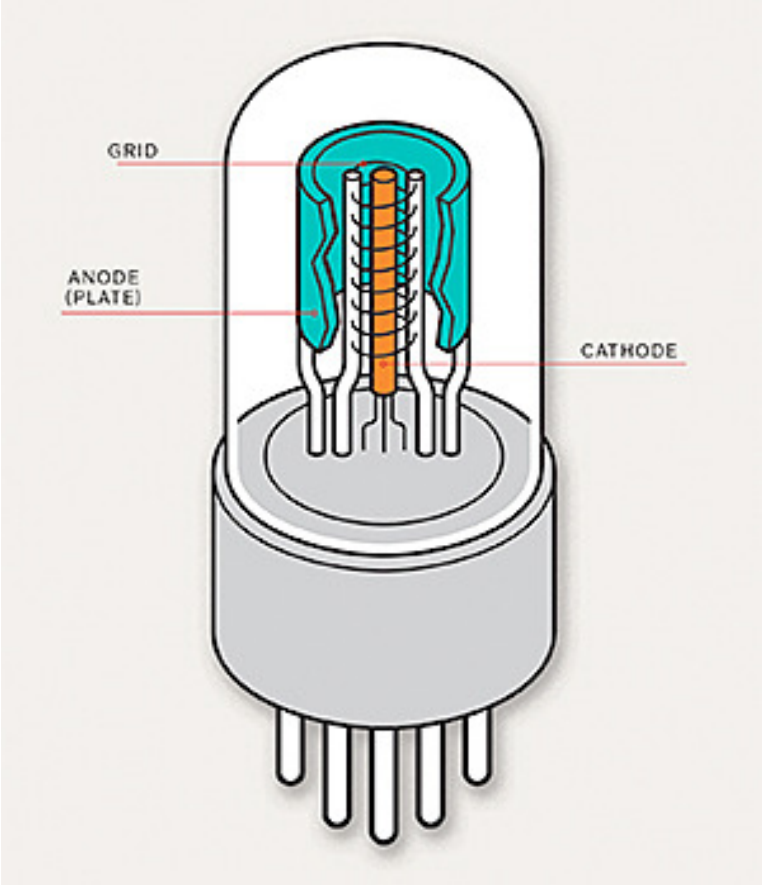


Confronto tra i due tipi di modulazione

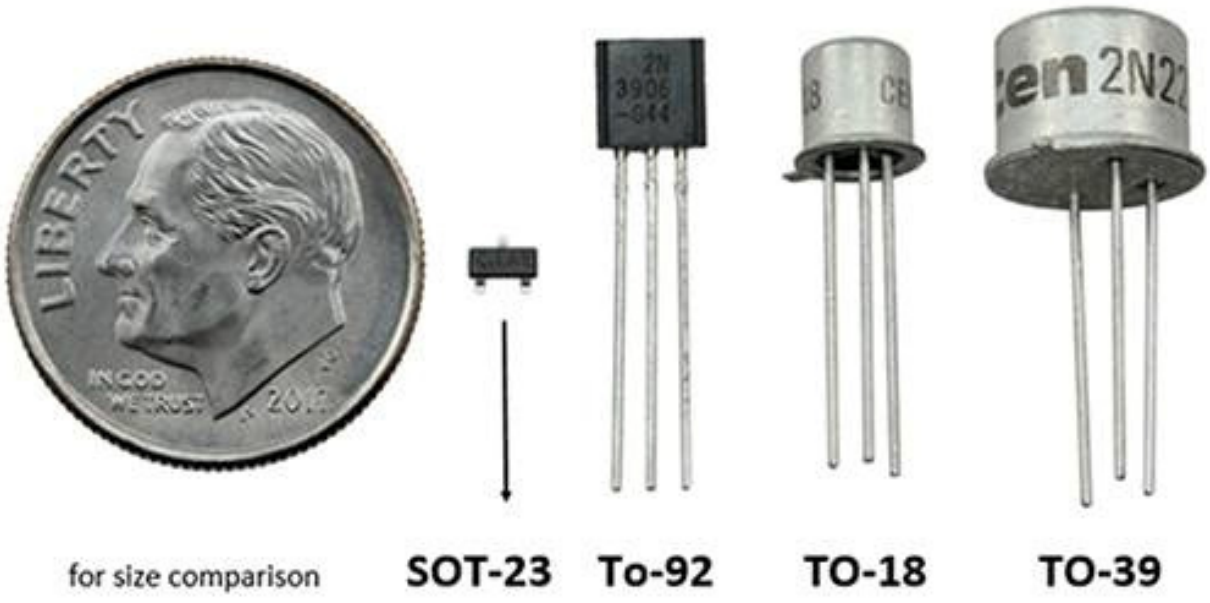




Valvola termoionica



Transistor


LIBERTY
IN GOD WE TRUST
for size comparison
SOT-23
To-92
TO-18
TO-39