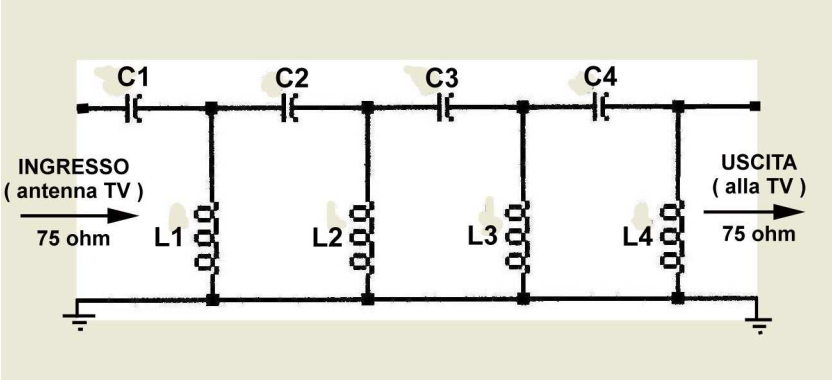
FILTRO ANTI - TVI

IW5ACP

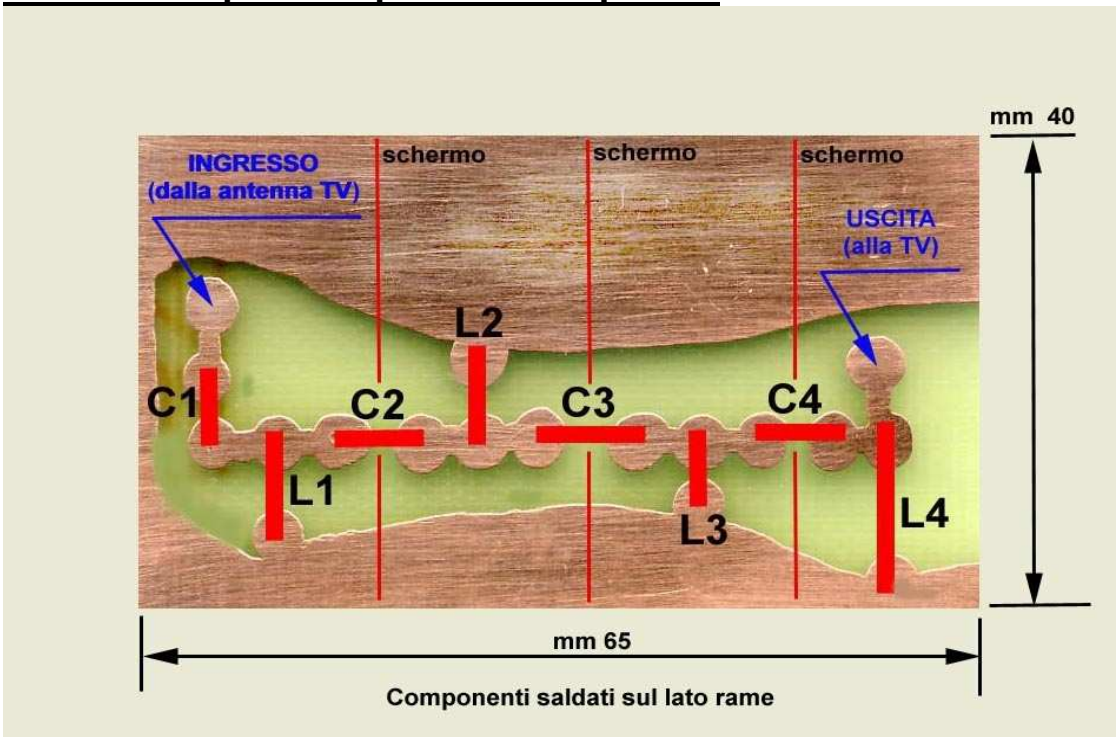
Schema elettrico



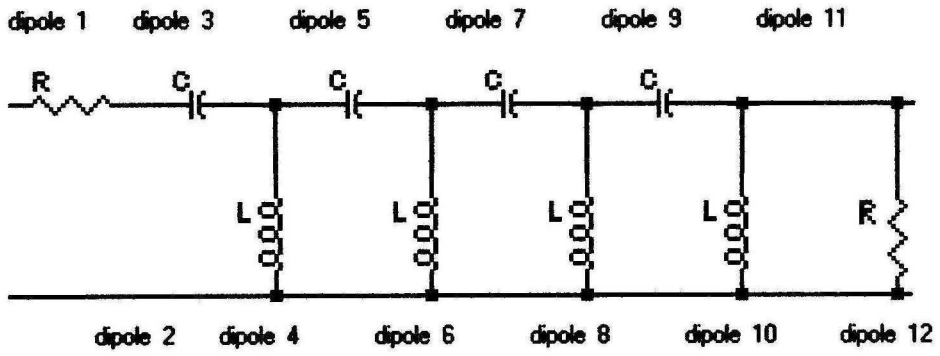
Elenco componenti

C1 = 33 pF ceramico NPO 50 VL
C2 = 8 pF ceramico NPO 50 VL
C3 = 7 pF ceramico NPO 50 VL
C4 = 12 pF ceramico NPO 50 VL
L1 = 3 spire rame argentato D=1mm su D=8 mm spaziatura fra le spire 1mm
L2 = 3 spire rame argentato D=1mm su D= 4mm spaziatura fra le spire 1mm
L3 = 2 spire rame argentato D=1mm su D=8mm spaziatura fra le spire 1mm
L4 = 6 spire rame argentato D=1mm su D=8mm spaziatura fra le spire 1mm

Circuito stampato e disposizione componenti



Schema elettrico per simulazione



DIPOLE 1
R 1=75,

DIPOLE 3
C 3=33,pF

DIPOLE 4
L 4=65,nHy
Qu~200,
F(L4C3)=
108,669203MHz

DIPOLE 5
C 5=8,pF
F(C5L4)=
220,708195MHz

DIPOLE 6
L 6=37,nHy
Qu~200,
F(L6C5)=
292,532603MHz

DIPOLE 7
C 7=7,pF
F(C7L6)=
312,730507MHz

DIPOLE 8
L 8=43,nHy
Qu~200,
F(L8C7)=
290,092756MHz

DIPOLE 9
C 9=12,pF
F(C9L8)=
221,562002MHz

DIPOLE 10
L 10=185,nHy
Qu~200,
F(L10C9)=
106,817804MHz

DIPOLE 12
R 12=75,

8,th order TVI
Stopband = 4,197 db minimum @ 160,Mhz
Cutoff = 3, db @ 165,Mhz
Design Impedance=75, ohms
Input Impedance = 75, ohms
Output Impedance = 75, ohms
Capacitance Spread = C 3 : C 7 = 4,714
Inductance Spread = L 10 : L 6 = 5,

Grafico risposta in frequenza (teorico)

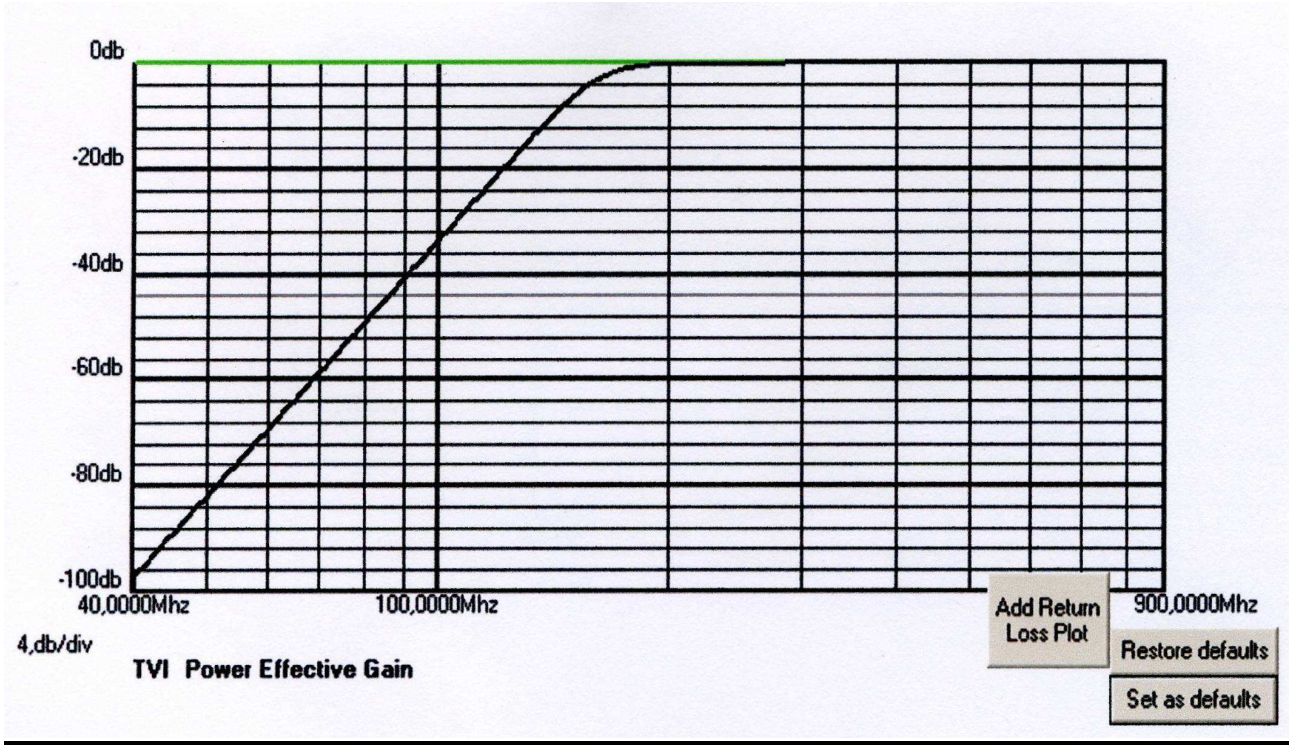


Grafico impedenza di ingresso (teorico)

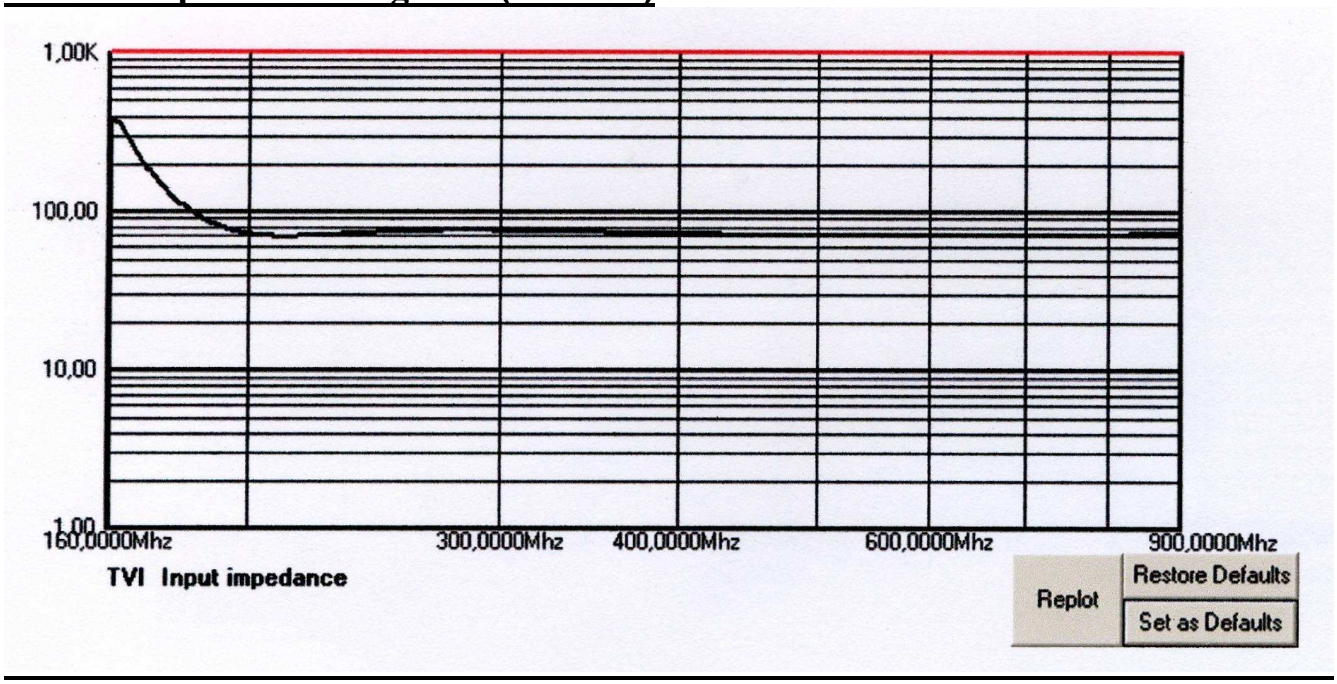


Grafico impedenza di uscita (terico)

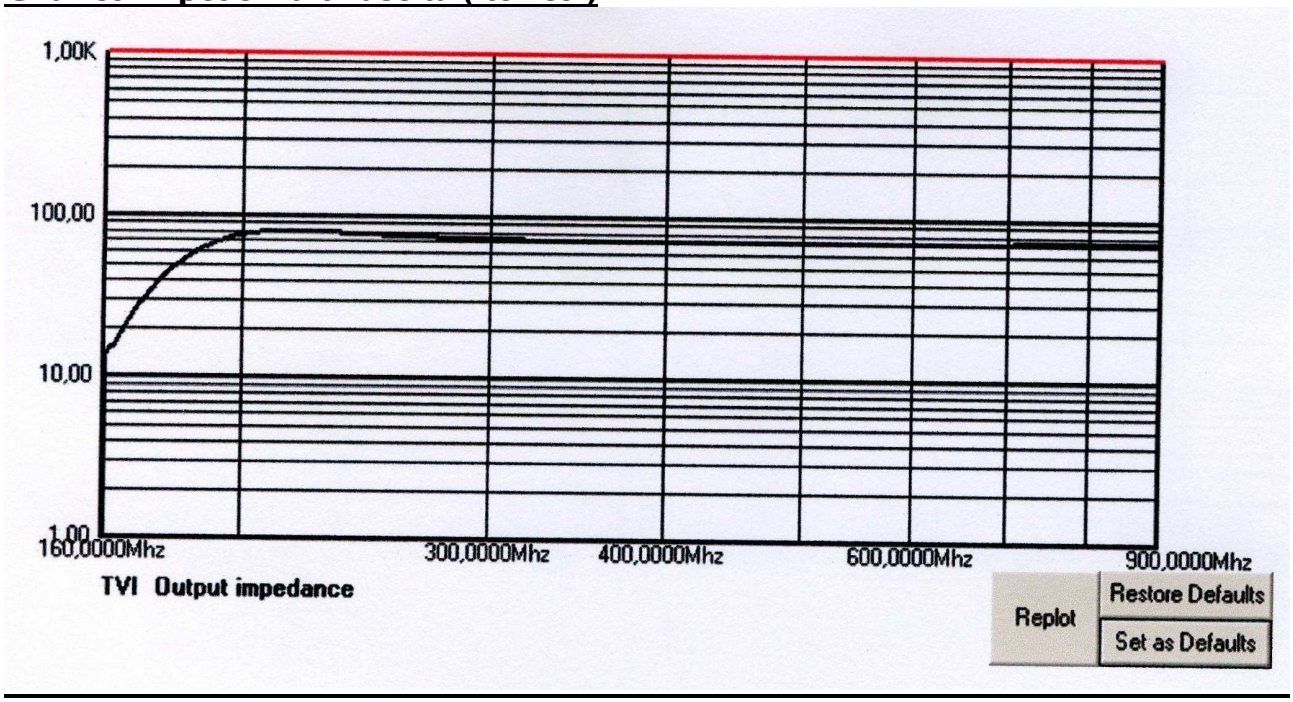
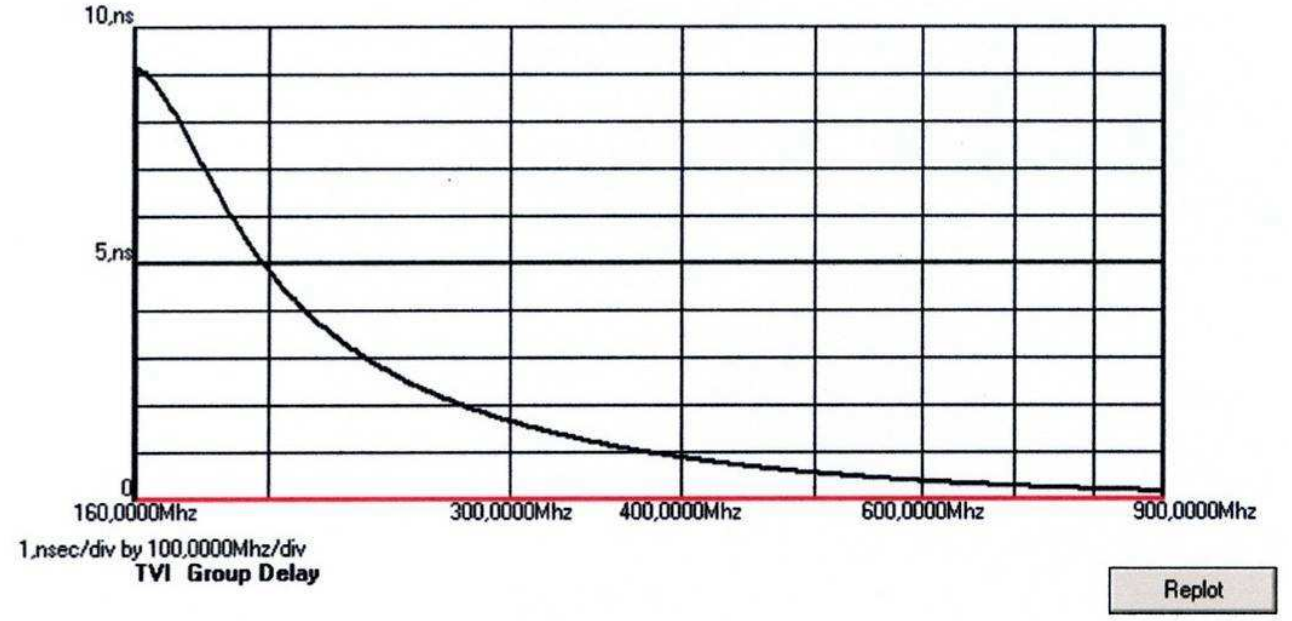


Grafico ritardo di gruppo (teorico)



Filtro anti - TVI
IW5ACP

Filtro anti - TVI
IW5ACP

Dimensioni contenitore
base: mm 70 x 55
altezza: mm 25


Filtro anti - TVI
IW5ACP