

$G(s) = \frac{1.00}{LCs^2 + Ls/R + 1}$

L = 1.00E-04

C = 2.20E-05

L = 1.00E-04

C = 2.20E-05

R = 1.00E+00

a = 2.20E-09

b = 1.00E-04

c = 1

L = 1.00E-04

C = 2.20E-05

R = 1.00E+01

b^2

$b^2 - 4ac$

"squroot"

b^2

1.00E-08

1.2000E-09

3.4641E-05

1.00E-10

ROOTS ARE = -1.49E+04

-3.06E+04

ROOTS ARE = -2.27E+03

-2.27E+03

$X(s) = \frac{A*(1 - e^{-st1})}{s*(1 - e^{-sT})}$

Freq = 43000

T = 2.32558E-05

A = 23.5

t = 0

0.999999998

t = 1.00E-06

0.999999998

t = 2.00E-06

0.999999998

t = 3.00E-06

0.999999998

t = 4.00E-06

t = 5.00E-06

t = 6.00E-06

t = 7.00E-06

t = 8.00E-06

t = 9.00E-06

t = 1.00E-05

t = 1.10E-05

t = 1.20E-05

t = 1.30E-05

t = 1.40E-05

t = 1.50E-05

t = 1.60E-05

t = 1.70E-05

t = 1.80E-05

t = 1.90E-05

t = 2.00E-05

a =	2.20E-09	L =	1.00E-04	a =	2.20E-09	L =
b =	1.00E-05	C =	2.20E-05	b =	1.00E-06	C =
c =	1	R =	1.00E+02	c =	1	R =

b^2-4ac	"-squroot"	b^2	b^2-4ac	"-squroot"
-8.7000E-09	9.3274E-05	1.00E-12	-8.7990E-09	9.3803E-05

+	21198.59	j	ROOTS ARE =	-2.27E+02	+	21318.86	j	ROOTS ARE =
-	21198.59	j		-2.27E+02	-	21318.86	j	

D = 0.28
t1 = 6.5116E-06

1 -2.1116E-11
1
1
1

1.00E-04	a =	2.20E-09
2.20E-05	b =	1.00E-07
1.00E+03	c =	1

b^2	b^2-4ac	"-squroot"
1.00E-14	-8.8000E-09	9.3808E-05

-2.27E+01	+	21320.06	j
-2.27E+01	-	21320.06	j