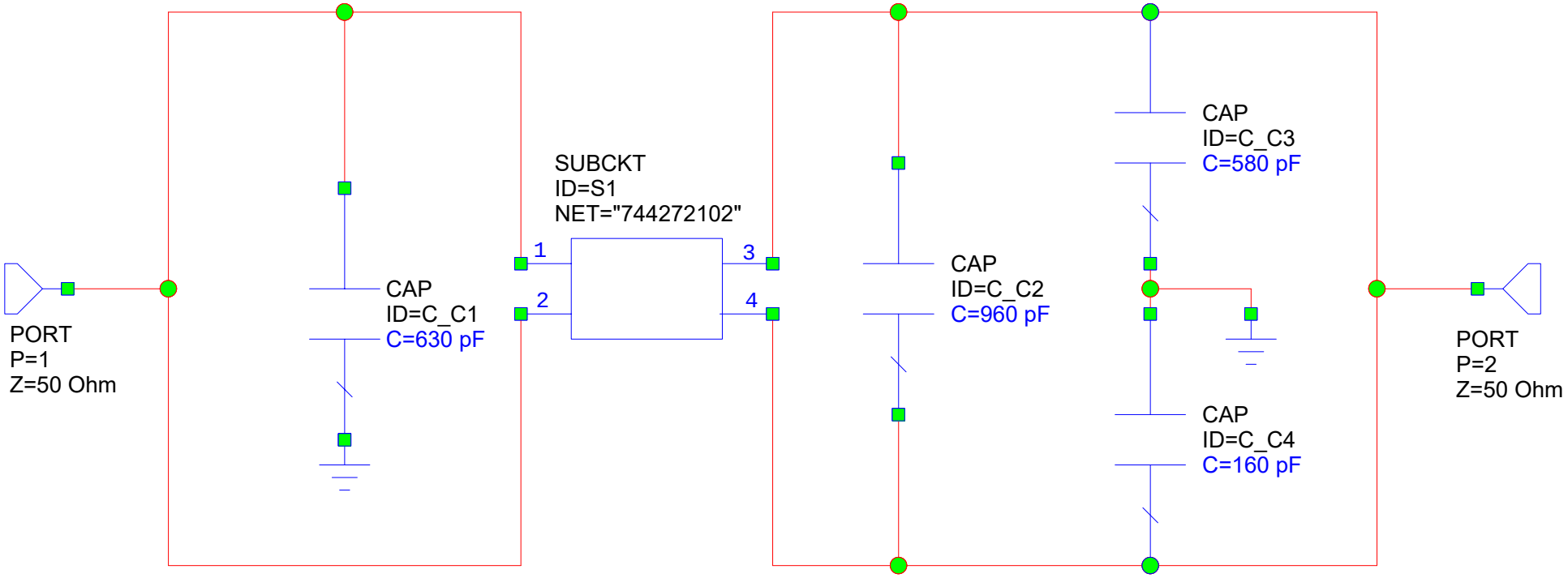
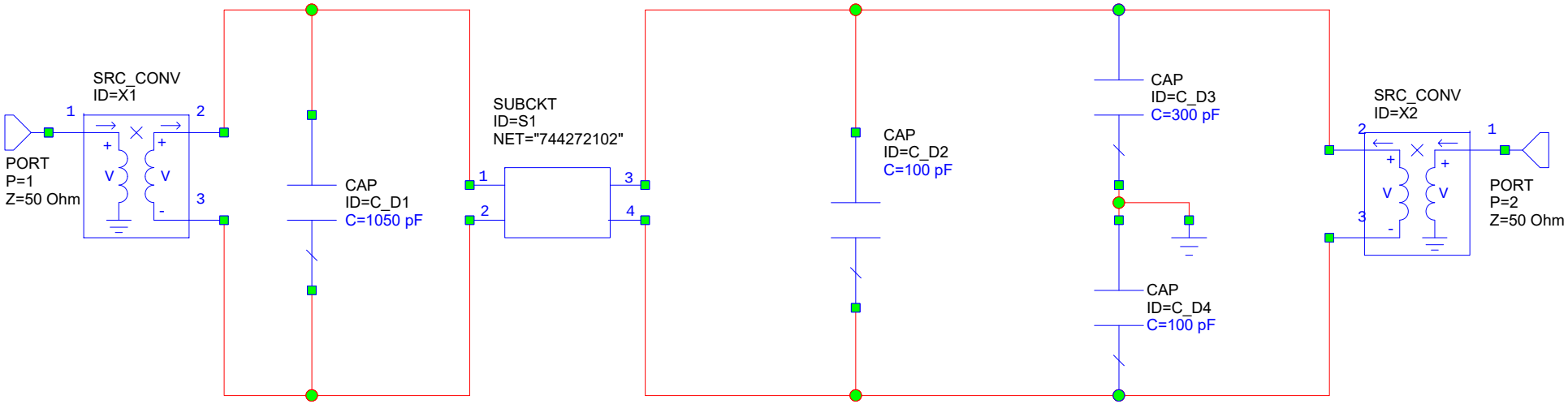
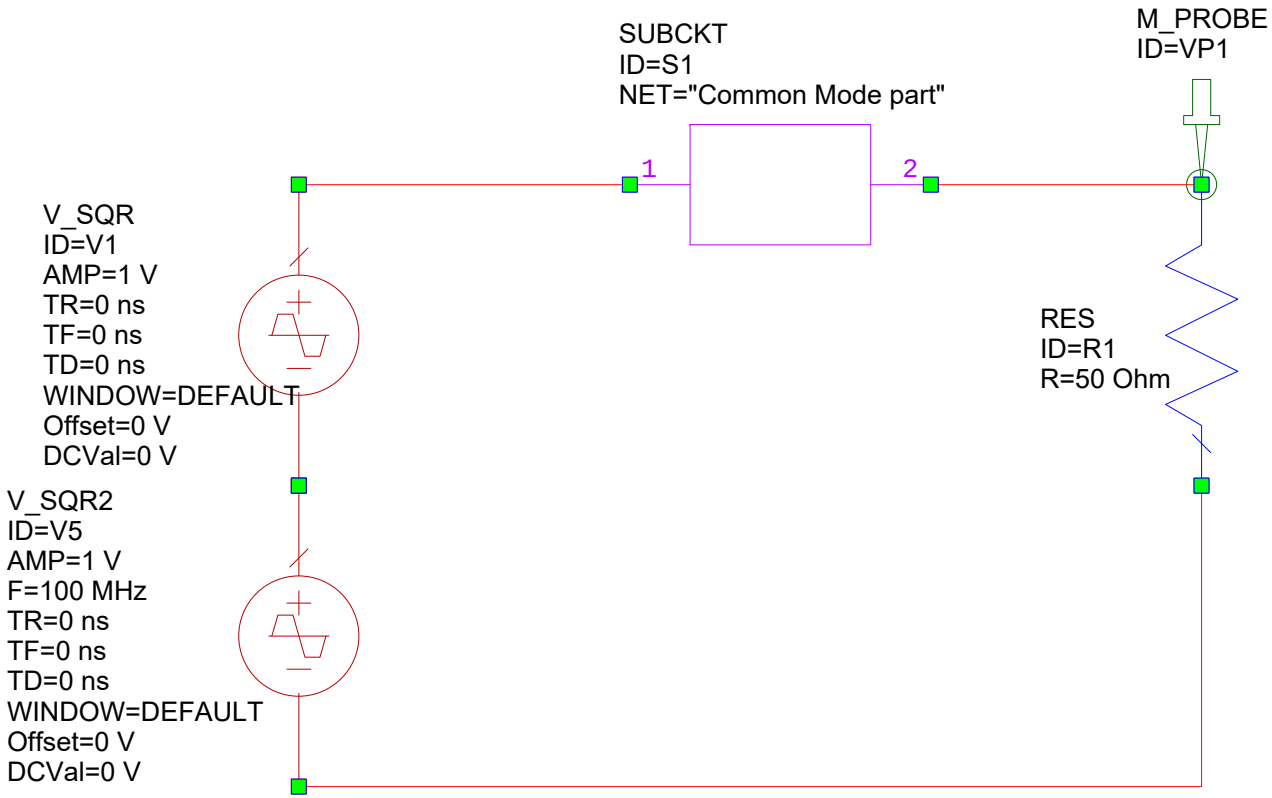
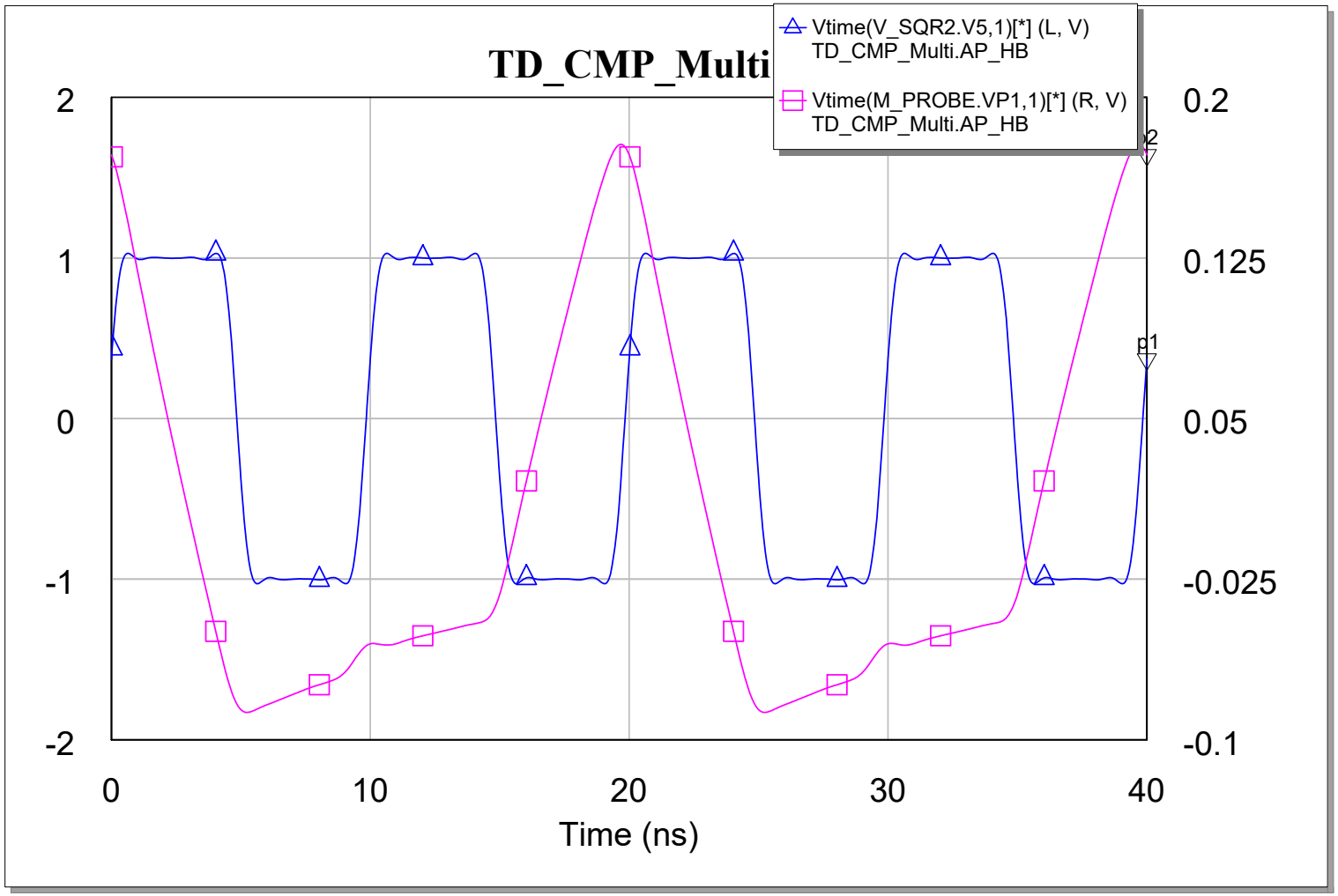

PORT
P=1
Z=50 Ohm
CAP
ID=C_C1
C=630 pF
SUBCKT
ID=S1
NET="744272102"
1
2
3
4
CAP
ID=C_C2
C=960 pF
CAP
ID=C_C3
C=580 pF
CAP
ID=C_C4
C=160 pF
PORT
P=2
Z=50 Ohm

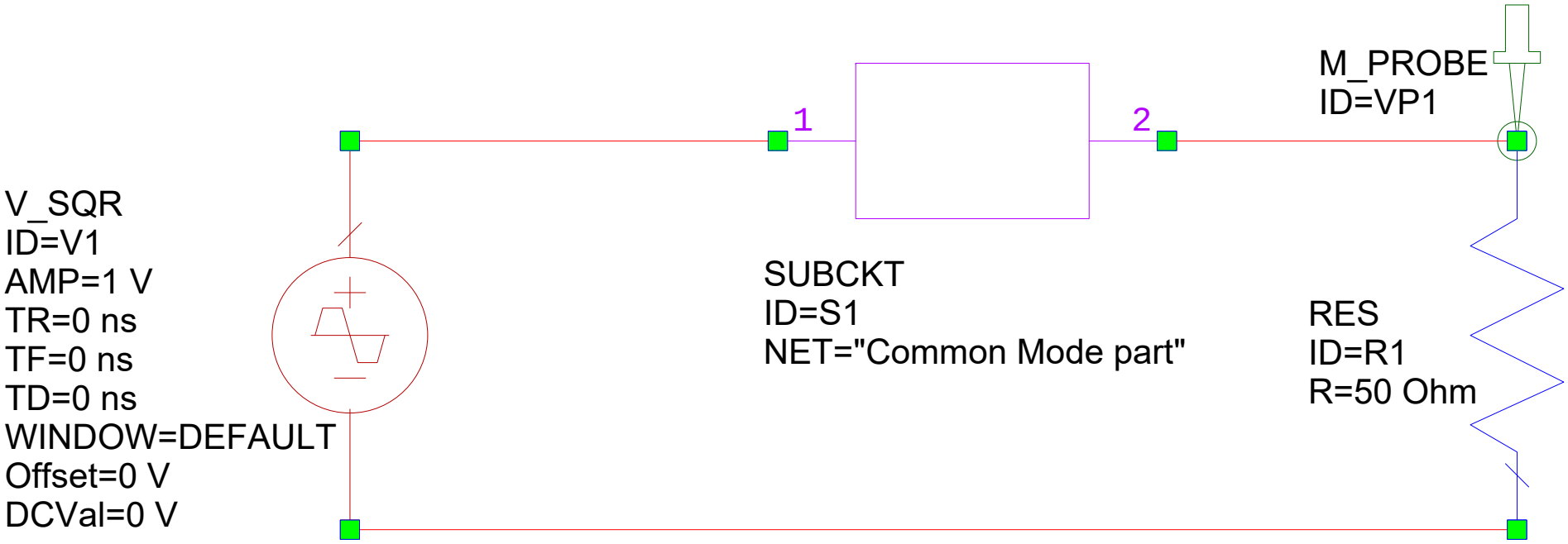

SRC_CONV
ID=X1
1
2
3
+
V
-
PORT
P=1
Z=50 Ohm
CAP
ID=C_D1
C=1050 pF
SUBCKT
ID=S1
NET="744272102"
CAP
ID=C_D2
C=100 pF
CAP
ID=C_D3
C=300 pF
CAP
ID=C_D4
C=100 pF
SRC_CONV
ID=X2
PORT
P=2
Z=50 Ohm

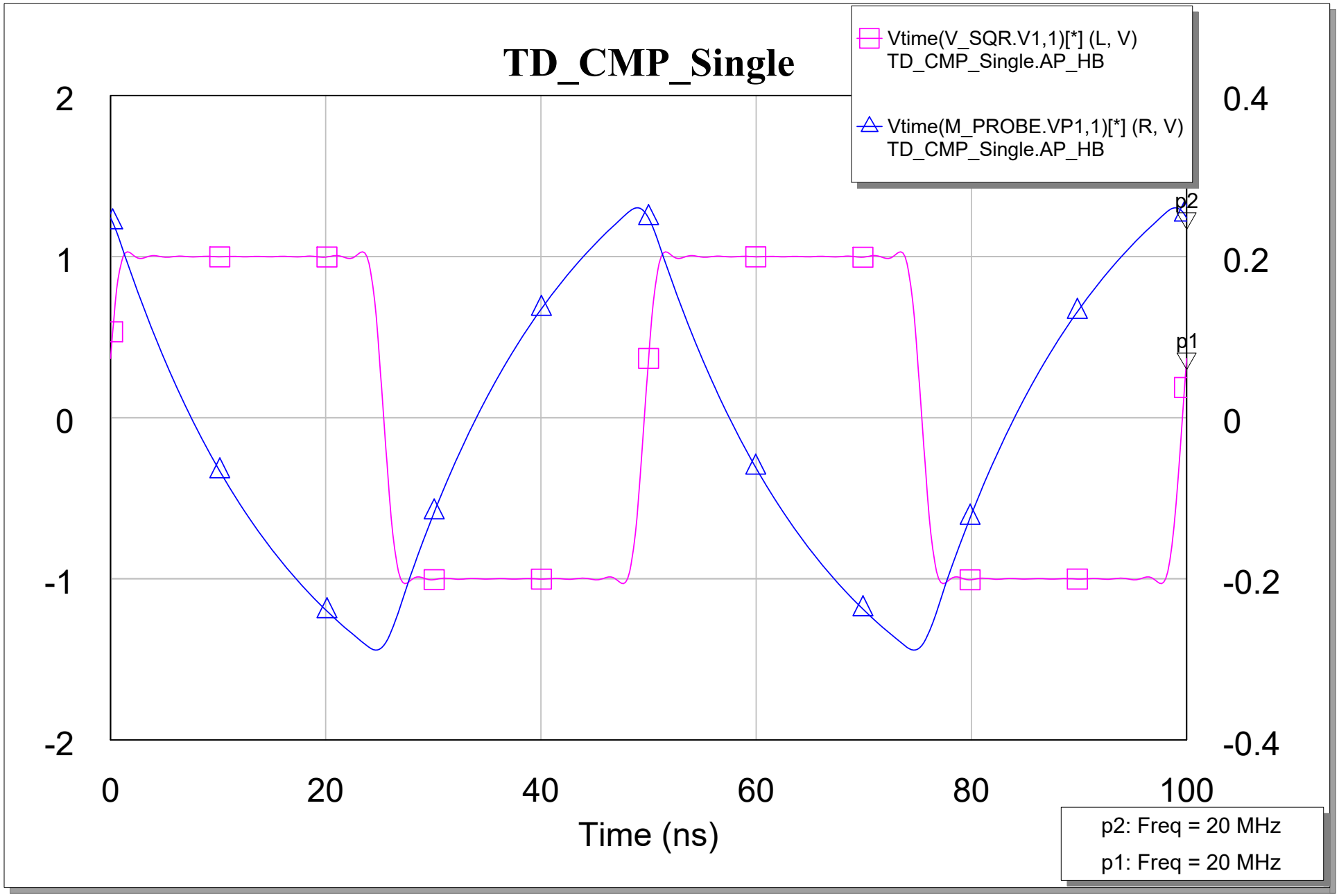

SUBCKT
ID=S1
NET="Common Mode part"
1
2
M_PROBE
ID=VP1
V_SQR
ID=V1
AMP=1 V
TR=0 ns
TF=0 ns
TD=0 ns
WINDOW=DEFAULT
Offset=0 V
DCVal=0 V
RES
ID=R1
R=50 Ohm
V_SQR2
ID=V5
AMP=1 V
F=100 MHz
TR=0 ns
TF=0 ns
TD=0 ns
WINDOW=DEFAULT
Offset=0 V
DCVal=0 V

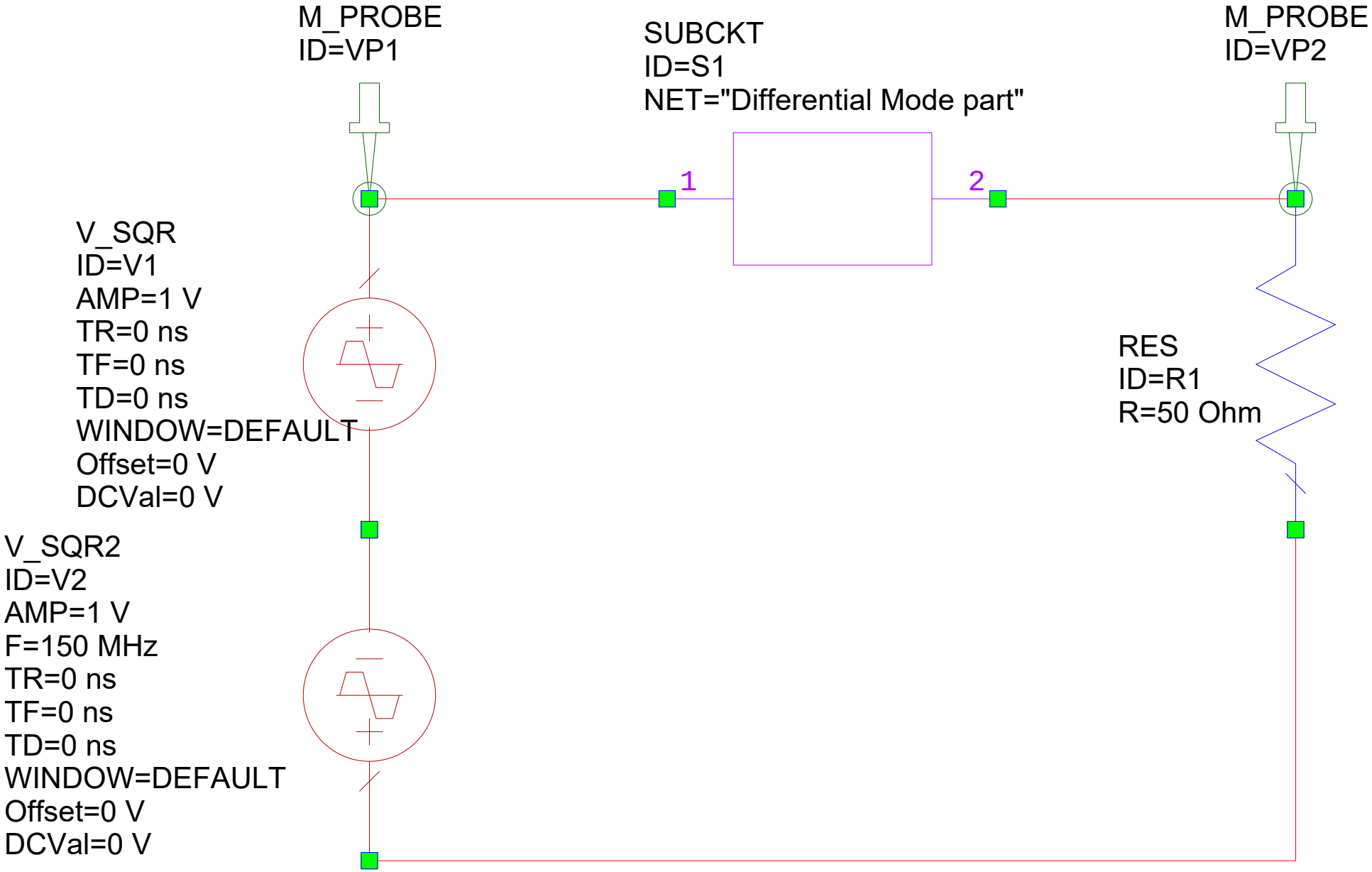


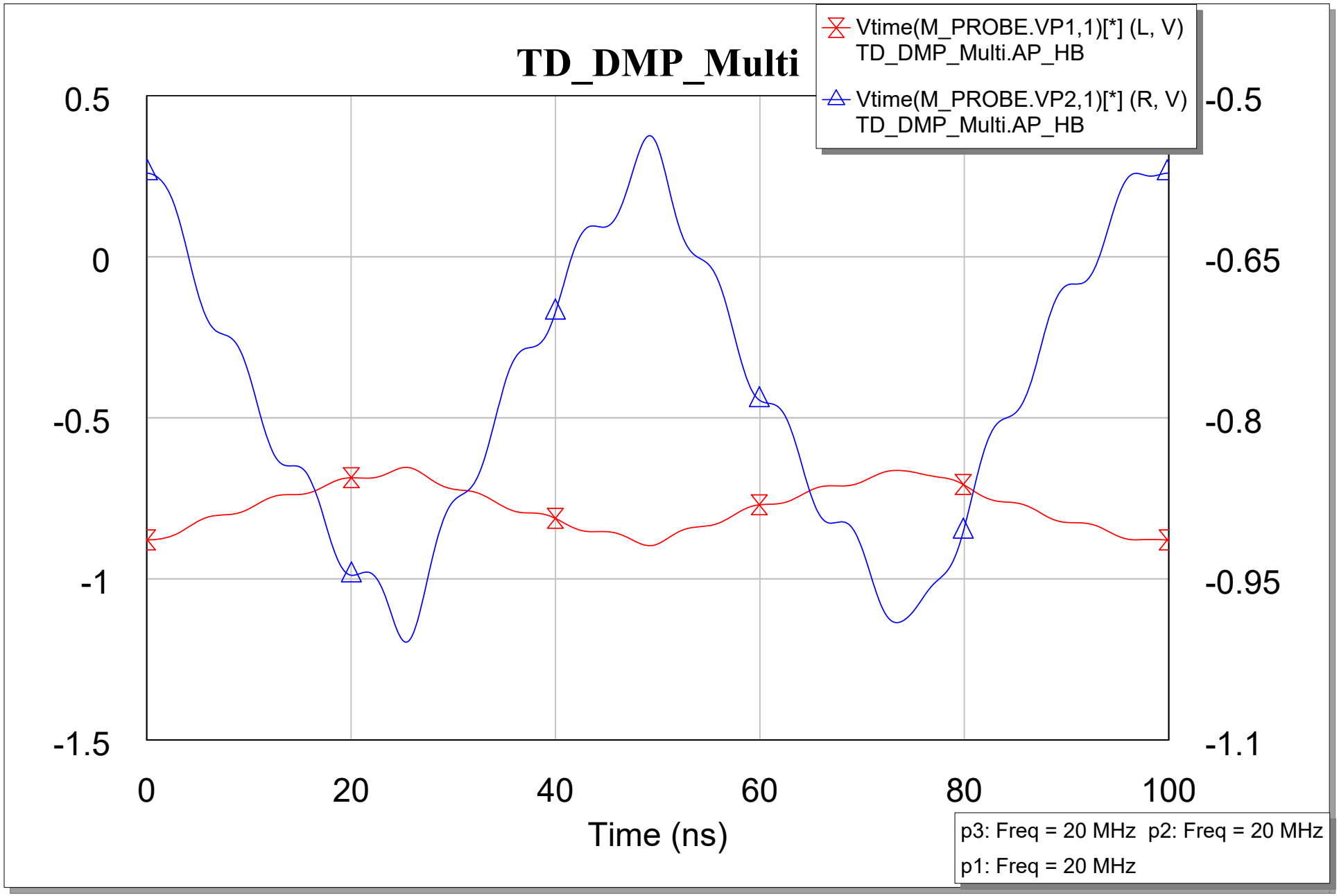
p2: Freq = 50 MHz

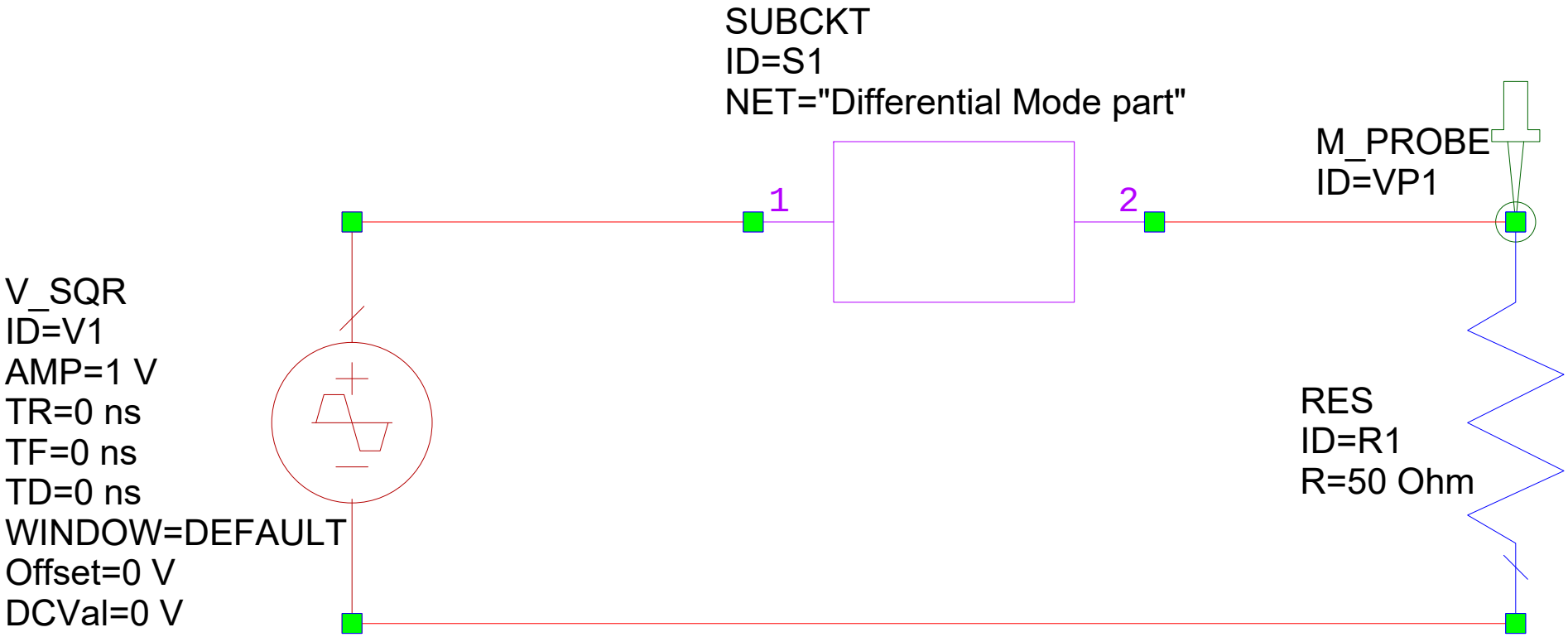
p1: Freq = 50 MHz

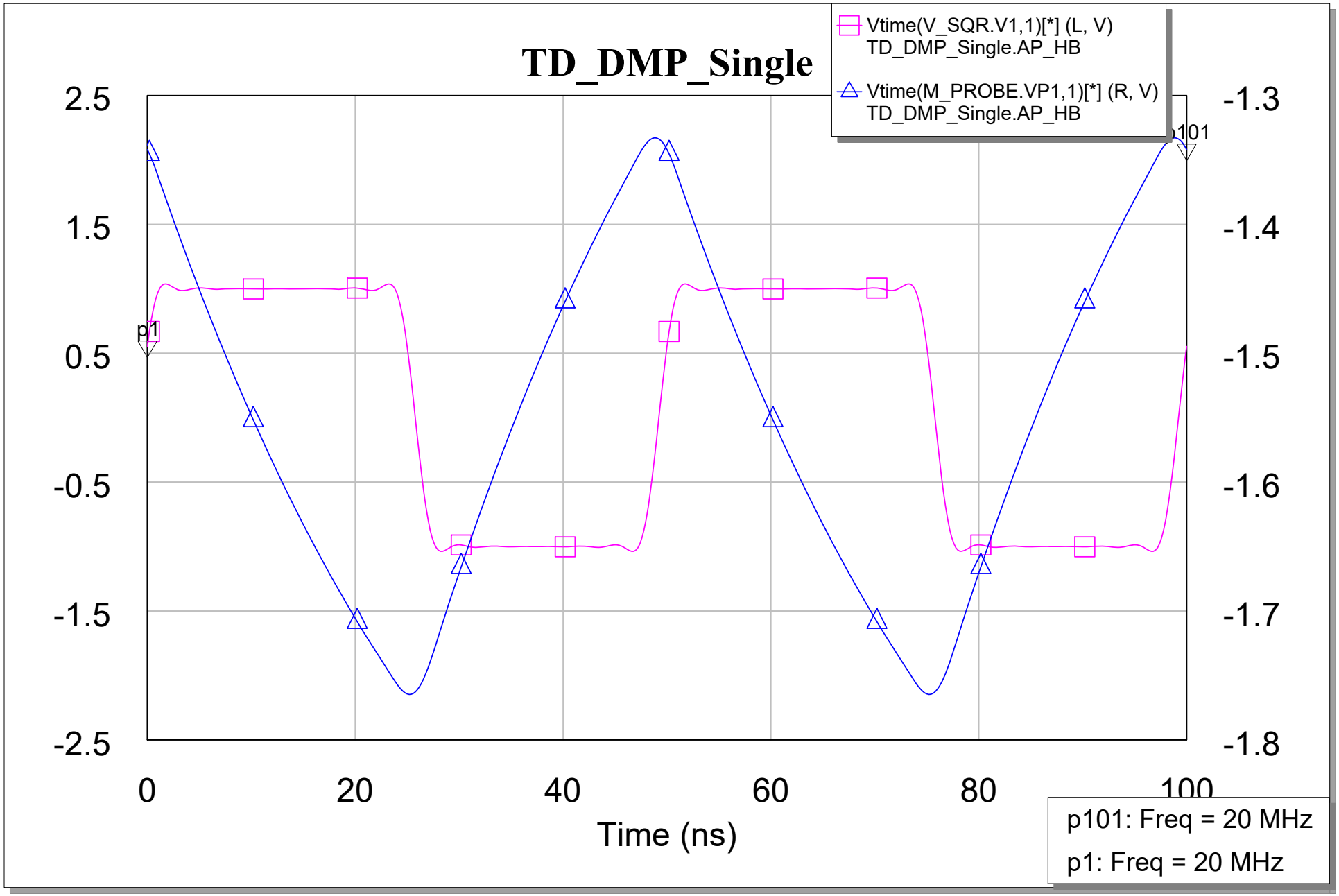

V_SQR
ID=V1
AMP=1 V
TR=0 ns
TF=0 ns
TD=0 ns
WINDOW=DEFAULT
Offset=0 V
DCVal=0 V
1
2
SUBCKT
ID=S1
NET="Common Mode part"
M_PROBE
ID=VP1
RES
ID=R1
R=50 Ohm


TD_CMP_Single
Vtime(V_SQR.V1,1)[*] (L, V)
TD_CMP_Single.AP_HB
Vtime(M_PROBE.VP1,1)[*] (R, V)
TD_CMP_Single.AP_HB
2
1
0
-1
-2
0.4
0.2
0
-0.2
-0.4
p2
p1
0
20
40
60
80
100
Time (ns)
p2: Freq = 20 MHz
p1: Freq = 20 MHz


M_PROBE
ID=VP1
SUBCKT
ID=S1
NET="Differential Mode part"
M_PROBE
ID=VP2
1
2
V_SQR
ID=V1
AMP=1 V
TR=0 ns
TF=0 ns
TD=0 ns
WINDOW=DEFAULT
Offset=0 V
DCVal=0 V
RES
ID=R1
R=50 Ohm
V_SQR2
ID=V2
AMP=1 V
F=150 MHz
TR=0 ns
TF=0 ns
TD=0 ns
WINDOW=DEFAULT
Offset=0 V
DCVal=0 V


TD_DMP_Multi
Vtime(M_PROBE.VP1,1)[*] (L, V)
TD_DMP_Multi.AP_HB
Vtime(M_PROBE.VP2,1)[*] (R, V)
TD_DMP_Multi.AP_HB
0.5
0
-0.5
-1
-1.5
-0.5
-0.65
-0.8
-0.95
-1.1
0
20
40
60
80
100
Time (ns)
p3: Freq = 20 MHz p2: Freq = 20 MHz
p1: Freq = 20 MHz


SUBCKT
ID=S1
NET="Differential Mode part"
1
2
M_PROBE
ID=VP1
V_SQR
ID=V1
AMP=1 V
TR=0 ns
TF=0 ns
TD=0 ns
WINDOW=DEFAULT
Offset=0 V
DCVal=0 V
RES
ID=R1
R=50 Ohm


TD_DMP_Single
Vtime(V_SQR.V1,1)[*] (L, V)
TD_DMP_Single.AP_HB
Vtime(M_PROBE.VP1,1)[*] (R, V)
TD_DMP_Single.AP_HB
2.5
1.5
0.5
-0.5
-1.5
-2.5
-1.3
-1.4
-1.5
-1.6
-1.7
-1.8
p1
p101
0
20
40
60
80
100
Time (ns)
p101: Freq = 20 MHz
p1: Freq = 20 MHz