

[Main]

FileType=CIR

Version=12.00

Program=Micro-Cap

Component Version=10.00

Shape Version=11.00

Screen=1366,768

MCAPVersion=12.2.0.5

Key ID=Demo

NLCnt=96

TXCnt=21

[shapedef]

Name=Capacitor

Line=0,0,22,0

Line=22,-8,22,8

Line=26,-8,26,8

Line=26,0,48,0

Current=32,12,16,12

[shapedef]

Name=Ground

Line=0,0,12,0

Line=12,-8,12,8

Line=18,-4,18,4

Line=24,0,24,0

[shapedef]

Name=Inductor

Line=42,0,48,0

Line=0,0,5,0

Arc=5,-7,17,7 , 11,-7,5,0

Arc=13,-7,25,7 , 19,-7,13,0

Arc=29,-7,41,7 , 35,-7,29,0

Arc=21,-7,33,7 , 27,-7,21,0

Arc=6,-7,18,7 , 18,0,12,-7

Arc=14,-7,26,7 , 26,0,20,-7

Arc=22,-7,34,7 , 34,0,28,-7

Arc=30,-7,42,7 , 42,0,36,-7

Line=11,-7,12,-7

Line=19,-7,20,-7

Line=27,-7,28,-7

Line=35,-7,36,-7

Arc=13,-4,17,2 , 13,-1,15,2

Arc=29,-4,33,2 , 29,-1,31,2

Arc=21,-4,25,2 , 21,-1,23,2

Arc=14,-4,18,2 , 16,2,18,-1

Arc=30,-4,34,2 , 32,2,34,-1

Arc=22,-4,26,2 , 24,2,26,-1

Line=15,2,16,2

Line=23,2,24,2

Line=31,2,32,2

Line=5,5,9,5

Line=41,5,41,9

Line=39,7,43,7

Current=32,8,16,8

[shapedef]

Name=Kshape

Line=0,16,4,16

Line=8,16,12,16

Line=16,16,20,16

Line=24,16,28,16

Line=32,16,36,16

Line=40,16,44,16

Line=15,12,19,12

Line=24,12,28,12

Line=32,12,36,12

Arc=0,4,8,12 , 0,8,4,12

Line=8,12,12,12

Arc=36,4,44,12 , 40,12,44,8

Arc=0,20,8,28 , 4,20,0,24

Arc=36,20,44,28 , 44,24,40,20

Line=8,20,12,20

Line=16,20,20,20

Line=24,20,28,20

Line=32,20,36,20

[shapedef]

Name=Plus.root

Line=-2,0,2,0

Line=0,-2,0,2

[shapedef]

Name=Resistor

PolyOpen=12

PolyLine=0,0

PolyLine=0,0

PolyLine=12,0

PolyLine=14,-4

PolyLine=18,4

PolyLine=22,-4

PolyLine=26,4

PolyLine=30,-4

PolyLine=34,4

PolyLine=36,0

PolyLine=48,0

PolyLine=48,0

Current=32,8,16,8

[shapedef]

Name=SPICE_V

Root="Vsource.root",0,0,0

[shapedef]

Name=Vsource.root

Line=0,0,12,0

Line=36,0,48,0

Ellipse=12,-12,36,12

FColor=None

Line=7,5,7,9

Root="Plus.root",41,7,0

Current=32,16,16,16

[compdef]

Name=K

Definition=K

Shape=Kshape

Mask=4352

Used=31

memo=Mutual inductance / Nonlinear magnetics core model

Label Offset=16,27,-4,12

PinCnt=0

[compdef]

Name=Voltage Source

Definition=VSpice

Shape=SPICE_V

Mask=4865

Used=52

memo=Voltage Source

Label Offset=19,13,15,13

PinCnt=2

Pin="Plus",6,0,-5,-6

Pin="Minus",0,0,-20,-6

[compdef]

Name=Resistor

Definition=Resistor

Shape=Resistor

Mask=6145

Used=321

memo=Resistor

Label Offset=18,6,8,11

PinCnt=2

Pin="Plus",6,0,-10,-4

Pin="Minus",0,0,-14,-4

[compdef]

Name=Ground

Definition=Ground

Shape=Ground

Mask=1

Used=305

memo=Ground

Label Offset=0,0,0,0

PinCnt=1

Pin="PinA",0,0,-3,-7

[compdef]

Name=Inductor

Definition=Inductor

Shape=Inductor

Mask=6913

Used=84

memo=Inductor

Label Offset=18,9,11,12

PinCnt=2

Pin="Plus",6,0,-5,-9

Pin="Minus",0,0,-3,-9

[compdef]

Name=Capacitor

Definition=Capacitor

Shape=Capacitor

Mask=6145

Used=45

memo=Capacitor

Label Offset=16,12,12,12

PinCnt=2

Pin="Plus",6,0,-3,-5

Pin="Minus",0,0,-14,-5

[Circuit]

Window Placement=2,3, -1,-1, -8,-31, 0,0,866,312

Default Object=Color=#FF0000,Width=2

Default Object Font=Height=-64,FStyle=0,Color=#000080,Name=Arial

Default Object Apply Border To Text=No

Default Object Apply Fill To Text=No

Default Object GridSnap=No

NodeVoltageFormat=3

CurrentFormat=3

PowerFormat=3

PathDelayFormat=3

WarningFormat=3

GridTextFormulaFormat=3

Window Placement in Transient Analysis=2,3, -1,-1, -8,-31, 104,104,1261,495

SpiceType=AMBIGUOUS

Title_Block_Border=None

Title_Block=False

Show Nodes=False

Show Voltages=False

Show Current=False

Show Power=False

Show Condition=False

Show Pin Connections=False

Show Connection Warnings=False

Show Cross=False

Show Attribute Text=True

Show Grid Text=True

[Object]

Object=Rectangle

Weight=4

CBorder=#FF0000

Px=144,240,704,904

GridSnap=True

[Comp]

Name=K

Px=536,848

Rot=2

[Attr]

ON=-75,-45,PART

V=K1

[Attr]

ON=-109,-1,INDUCTORS

V=MC1 MC2 MC3 SC1 SC2 RC

Style=8192

[Attr]

ON=-36,-69,COUPLING

V=0.1

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=440,352,440,392

[Comp]

Name=Voltage Source

Px=592,344

Rot=6

COff=8,474,310,63,14

COff=7,465,291,30,48

[Attr]

ON=-118,-34,PART

V=Sine_Wave_Generator

Style=8192

[Attr]

ON=-127,-53,VALUE

V=DC 0 AC 1 0 Sin 0 1.5 3m 0 0 0

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Attr]

ON=0,0,Saved_Pulse

V=DC 0 AC 1 0 Pulse 0 5 100n 10n 10n 400n 1u

Style=256

[Attr]

ON=0,0,Saved_Sin

V=DC 0 AC 1 0 Sin 0 1.5 32.768k 0 0 0

Style=256

[Wire]

Pxs=440,392,440,424

[Comp]

Name=Resistor

Px=472,392

Rot=4

COff=7,479,371,-8,0

[Attr]

ON=3,7,PART

V=R1

[Attr]

ON=7,-21,RESISTANCE

V=1

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=440,352

Rot=5

COff=8,451,330,0,-10

COff=7,453,331,4,-12

[Attr]

ON=11,-22,PART

V=R2

[Attr]

ON=13,-21,RESISTANCE

V=1k

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=528,344,528,392

[Comp]

Name=Ground

Px=440,288

Rot=3

[Comp]

Name=Inductor

Px=296,312

Rot=6

COff=8,262,286,-11,2

COff=7,250,322,-18,-51

[Attr]

ON=-34,-26,PART

V=MC1

Style=8192

[Attr]

ON=-46,10,INDUCTANCE

V=120m

Style=8192

[Attr]

ON=-80,37,MODEL

V=NewModel13

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=296,312,312,312

[Wire]

Pxs=232,312,248,312

[Wire]

Pxs=232,376,248,376

[Wire]

Pxs=296,376,312,376

[Wire]

Pxs=312,312,312,320

[Wire]

Pxs=232,312,232,320

[Wire]

Pxs=232,376,232,384

[Comp]

Name=Inductor

Px=296,376

Rot=6

COff=8,262,350,-18,2

COff=7,251,386,-22,-10

[Attr]

ON=-34,-26,PART

V=MC2

Style=8192

[Attr]

ON=-45,10,INDUCTANCE

V=120m

Style=8192

[Attr]

ON=-64,37,MODEL

V=NEWMODEL13

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=440,424,472,424

[Wire]

Pxs=232,432,248,432

[Wire]

Pxs=296,432,312,432

[Comp]

Name=Inductor

Px=296,432

Rot=6

COff=8,263,408,-22,0

COff=7,251,442,-63,22

[Attr]

ON=-33,-24,PART

V=MC3

Style=8192

[Attr]

ON=-45,10,INDUCTANCE

V=120m

Style=8192

[Attr]

ON=-64,37,MODEL

V=NEWMODEL13

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=440,392,472,392

[Comp]

Name=Capacitor

Px=560,424

COff=8,575,395,5,-3

COff=7,572,438,-21,-35

[Attr]

ON=15,-29,PART

V=C3

Style=8192

[Attr]

ON=12,14,CAPACITANCE

V=10p

Style=8192

[Attr]

ON=16,40,MODEL

V=NEWMODEL1

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=528,344,544,344

[Comp]

Name=Inductor

Px=272,864

COff=8,281,839,-17,-2

COff=7,271,873,-5,1

[Attr]

ON=9,-25,PART

V=SC2

Style=8192

[Attr]

ON=-1,9,INDUCTANCE

V=100n

Style=8192

[Attr]

ON=56,37,MODEL

V=NEWMODEL11

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Inductor

Px=240,736

Rot=3

COff=8,190,698,-27,6

COff=7,173,715,-2,-15

[Attr]

ON=-50,-38,PART

V=SC1

Style=8192

[Attr]

ON=-67,-21,INDUCTANCE

V=100n

Style=8192

[Attr]

ON=56,37,MODEL

V=NEWMODEL11

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Inductor

Px=232,536

Rot=6

COff=8,202,545,2,-34

COff=7,186,507,37,-35

[Attr]

ON=-30,9,PART

V=RC

Style=8192

[Attr]

ON=-46,-29,INDUCTANCE

V=1.16u

Style=8192

[Attr]

ON=-91,37,MODEL

V=NEWMODEL12

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=280,680

Rot=4

COff=7,258,657,-8,-4

[Attr]

ON=-9,6,PART

V=ResLoad

Style=8192

[Attr]

ON=-22,-23,RESISTANCE

V=600

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=232,536,248,536

[Wire]

Pxs=168,576,184,576

[Wire]

Pxs=168,536,184,536

[Wire]

Pxs=248,536,248,576

[Wire]

Pxs=168,536,168,576

[Wire]

Pxs=256,864,272,864

[Wire]

Pxs=352,808,352,864

[Wire]

Pxs=240,680,240,688

[Wire]

Pxs=320,864,352,864

[Wire]

Pxs=240,680,280,680

[Wire]

Pxs=256,808,256,864

[Wire]

Pxs=328,808,352,808

[Wire]

Pxs=320,752,352,752

[Wire]

Pxs=240,752,272,752

[Wire]

Pxs=440,288,440,304

[Wire]

Pxs=352,680,352,752

[Wire]

Pxs=416,424,440,424

[Wire]

Pxs=232,576,248,576

[Wire]

Pxs=616,344,616,360

[Comp]

Name=Resistor

Px=616,408

Rot=3

COff=7,627,387,-8,-8

[Attr]

ON=30,-41,PART

V=R4

Style=8192

[Attr]

ON=11,-21,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=472,424

[Attr]

ON=-11,5,PART

V=R5

Style=8192

[Attr]

ON=12,7,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=312,368

Rot=3

COff=8,324,323,3,16

COff=7,322,342,0,-7

[Attr]

ON=12,-45,PART

V=R12

Style=8192

[Attr]

ON=10,-26,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=312,368,312,376

[Comp]

Name=Resistor

Px=312,424

Rot=3

COff=8,324,379,4,15

[Attr]

ON=12,-45,PART

V=R13

Style=8192

[Attr]

ON=10,-26,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=312,424,312,432

[Comp]

Name=Resistor

Px=232,432

Rot=3

COff=7,173,403,-11,11

[Attr]

ON=-30,-45,PART

V=R22

Style=8192

[Attr]

ON=-59,-29,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=232,368

Rot=3

COff=8,202,323,-44,15

COff=7,173,339,-11,-1

[Attr]

ON=-30,-45,PART

V=R23

Style=8192

[Attr]

ON=-59,-29,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=232,368,232,376

[Comp]

Name=Resistor

Px=320,752

Rot=6

COff=7,267,730,-40,-1

[Attr]

ON=-41,8,PART

V=R25

Style=8192

[Attr]

ON=-53,-22,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=328,808

Rot=6

[Attr]

ON=-41,8,PART

V=R26

Style=8192

[Attr]

ON=-53,-22,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=256,808,280,808

[Comp]

Name=Capacitor

$P_X = 448,568$

Rot=3

COff=8,417,535,57,1

COff=7,450,593,-21,-1

[Attr]

ON=-31,-33,PART

V=C6

Style=8192

[Attr]

ON=2,25,CAPACITANCE

V=1.0000000000000000000000000000003934756e-10

[Attr]

ON=16,40,MODEL

V=NEWMODEL1

[Attr]

ON=0,0,PACKAGE

V

[Comp]

COff=7,315,538,-18,-3

Style=8192

[illegible]

V=NEWMODEL1

V

COff=8,328,589,-21,0

COff=7,317,643,-19,1

[Attr]

ON=16,-27,PART

V=C8

Style=8192

[Attr]

ON=5,27,CAPACITANCE

V=1.000000000000000000000000038475e-10

[Attr]

ON=16,40,MODEL

V=NEWMODEL1

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=448,616

Rot=3

COff=7,460,595,-20,1

[Attr]

ON=15,-39,PART

V=R27

Style=8192

[Attr]

ON=12,-21,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=448,520

Rot=3

COff=7,459,492,3,-3

[Attr]

ON=11,-42,PART

V=R28

Style=8192

[Attr]

ON=11,-28,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=264,512

COff=7,267,490,-31,-1

[Attr]

ON=15,7,PART

V=R29

Style=8192

[Attr]

ON=3,-22,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=360,512

[Attr]

ON=15,7,PART

V=R30

Style=8192

[Attr]

ON=3,-22,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=264,616

COff=7,267,594,-21,-1

[Attr]

ON=15,7,PART

V=R31

Style=8192

[Attr]

ON=3,-22,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Comp]

Name=Resistor

Px=360,616

Coff=7,363,594,-14,2

[Attr]

ON=15,7,PART

V=R32

Style=8192

[Attr]

ON=3,-22,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=416,272,416,312

[Wire]

Pxs=232,272,232,312

[Wire]

Pxs=520,392,528,392

[Wire]

Pxs=312,312,416,312

[Comp]

Name=Resistor

Px=184,576

COff=7,186,597,-19,-10

[Attr]

ON=17,8,PART

V=R33

Style=8192

[Attr]

ON=2,21,RESISTANCE

V=SJOHMS

Style=8192

[Attr]

ON=0,0,PACKAGE

V

[Wire]

Pxs=352,752,352,808

[Wire]

Pxs=240,736,240,752

[Wire]

Pxs=232,272,416,272

[Wire]

Pxs=520,424,560,424

[Wire]

Pxs=616,408,616,424

[Wire]

Pxs=328,680,352,680

[Wire]

Pxs=448,616,448,648

[Wire]

Pxs=408,616,448,616

[Wire]

Pxs=248,512,264,512

[Wire]

Pxs=248,512,248,536

[Wire]

Pxs=248,576,248,616

[Wire]

Pxs=248,616,264,616

[Wire]

Pxs=408,512,424,512

[Wire]

Pxs=424,472,424,512

[Wire]

Pxs=312,432,312,472

[Wire]

Pxs=424,472,448,472

[Wire]

Pxs=592,344,616,344

[Wire]

Pxs=416,312,416,424

[Wire]

Pxs=312,472,424,472

[Wire]

Pxs=608,424,616,424

[Wire]

Pxs=352,648,448,648

[Wire]

Pxs=352,648,352,680

[Grid Text]

Text="SIMPLER CIRCUIT,"

Text="MUCH EASIER TO"

Text="BUILD, DOES NOT"

Text="SELF-REGULATE"

Text="(WILL BLOW UP)!"

Px=544,576

FStyle=4

Color=#000000

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="1e-10F"

Px=320,640

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="10% Coupling Coefficient"

Px=432,816

FStyle=4

Color=#000000

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="10 AWG"

Px=224,744

FStyle=4

Color=#000000

GridSnap=True

JustifyH=Right

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="10 AWG"

Px=184,504

FStyle=4

Color=#000000

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="Ohm"

Px=488,384

GridSnap=True
JustifyH=Left
JustifyV=Bottom
CBorder=None

[Grid Text]
Text="Ohm"
Px=456,360
GridSnap=True
JustifyH=Left
JustifyV=Bottom
CBorder=None

[Grid Text]
Text="Ohms"
Px=328,672
GridSnap=True
JustifyH=Right
JustifyV=Bottom
CBorder=None

[Grid Text]
Text="H"
Px=216,728
GridSnap=True
JustifyH=Right

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="H"

Px=312,888

GridSnap=True

JustifyH=Right

JustifyV=Bottom

CBorder=None

[Grid Text]

Text=".define SJOHMS 100u"

Px=512,648

FStyle=4

Color=#000000

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="10 AWG"

Px=240,856

FStyle=4

Color=#000000

GridSnap=True
JustifyH=Right
JustifyV=Bottom
CBorder=None

[Grid Text]
Text="30 AWG"
Px=168,304
FStyle=4
Color=#000000
GridSnap=True
JustifyH=Left
JustifyV=Bottom
CBorder=None

[Grid Text]
Text="1e-9F"
Px=320,536
GridSnap=True
JustifyH=Left
JustifyV=Bottom
CBorder=None

[Grid Text]
Text="1e-10F"
Px=464,544

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="SINGLE-PHASE, A/C MOTOR"

Text="MC = MAIN COILS ON THE"

Text=" ARMATURE'S BOBBIN"

Text="SC = STARTER COILS"

Text="RC = ROTOR COIL >> NOT"

Text=" INTENDED TO ROTATE"

Px=424,768

FStyle=4

Color=#000000

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="H"

Px=288,336

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="H"

Px=288,400

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="H"

Px=288,456

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text="H"

Px=224,520

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Grid Text]

Text=" 10m Ohms ESR"

Text="on all capacitors."

Px=288,576

FStyle=4

Color=#000000

GridSnap=True

JustifyH=Left

JustifyV=Bottom

CBorder=None

[Schematic]

CurrentSection 0=0

CurrentSection 1=0

CurrentSection 2=0

CurrentSection 3=0

Splitter.xs=0

Splitter.ys=0

TextQuad=4099

Scale=0.66666666666666663

GridUser=10

ShapeGroups="Main","Euro","Polarity","Main1","Main11","Electrolytic","GroundArrow","DeMorgan"

CalcRMS=False

CalcAVG=False

CalcPeak=False

CalcVoltage=True

DisplayMeasure=Last

ShareScales=True

[Tools]

Pos=Top

FILESAVEASOLD=No

BOM=No

FILEPCB=No

PROBE=Yes

SELECT=Yes

PAN=Yes

COMP=Yes

TEXT=Yes

WIRE=Yes

WIRED=Yes

BUS=Yes

GRAPHIC=Yes

FLOWCHART=Yes

LINE=No

ELLIPSE=No

RECT=No

DIAM=No

ARC=No

PIE=No

TRIANGLE=No

STAR=No
LEFTBRK=No
RIGHTBRK=No
BOTHBRK=No
META=No
PARALLELOGRAM=No
FC_PROCESS=No
FC_ALT_PROCESS=No
FC_DECISION=No
FC_DATA=No
FC_PREDEFPROCESS=No
FC_INTERNALSTORAGE=No
FC_DOCUMENT=No
FC_MULTIDOCUMENT=No
FC_TERMINATOR=No
FC_PREPARATION=No
FC_MANUALINPUT=No
FC_MANUALOPERATION=No
FC_CONNECTOR=No
FC_OFFPAGECONNECTOR=No
FC_PUNCHCARD=No
FC_PUNCHEDTAPE=No
FC_SUMMING_JUNCTION=No
FC_OR=No
FC_COLLATE=No
FC_SORT=No

FC_EXTRACT=No

FC_MERGE=No

FC_STORED_DATA=No

FC_DELAY=No

FC_SAS=No

FC_MAGNETIC_DISK=No

FC_DAS=No

FC_DISPLAY=No

SPREAD_SHEET=Yes

POLYCLOS=No

POLYOPEN=No

FLAG=No

INFO=Yes

HELP=Yes

HELP_SPICE=No

LINK=No

CHECK=Yes

REGION_ENABLE=Yes

TITLE_BLOCK=Yes

DIGTRC=No

DIGTRC2=No

BUILD_COMMAND=Yes

DIGALL=No

GRIDTEXT=Yes

COMPTXT=Yes

NODE=Yes

MEASURED=Yes

NODEV=Yes

CURRENT=Yes

POWER=Yes

CONDITIN=Yes

PIN=Yes

CONNWARN=Yes

CROSS=No

GRID=No

BORDER=No

BORDERONE=No

TITLE=No

RUBBER=Yes

PROPERTY=Yes

STEP=Yes

MIRROR=Yes

ROTATE=Yes

FLIPY=Yes

FLIPX=Yes

CIR_MAKEMACRO=No

CLEARCUTWIRE=No

CLIPBOARD CIRPAGE2BMM=No

FINDCOMP=Yes

FIND=Yes

REPEAT=No

REPLACE=No

MODEL=Yes

CIR2CKT=No

ATTDISP=No

ENABLE=No

DISABLE=No

ENABLE_WITH=Yes

TOFRONT=No

TOBACK=No

SELNEXT=No

PAGEADD=No

PAGEADDTEXT=No

ADDSECTION=No

PAGEDEL=No

ZOOMIN=Yes

ZOOMOUT=Yes

AUTOSCALECIR=No

GOTOFLAG=No

UPLEVEL=Yes

COLOR=No

FONT=No

STYLE=Yes

DM_LAST=No

DM_RMS=No

DM_AVG=No

DM_PEAK=No

GRID_NONE=No

GRID_NORMAL=No
GRID_BOLD_5=No
GRID_BOLD_6=No
GRID_BOLD_USER=No
GRAPH_PAPER=No
SPLITCIRTEXTH=No
SPLITCIRTEXTV=No
SPACE_SPLITTERS_EVENLY=No
NORMALCIR=No
RENAMEDEFINE=No
RENAMECMP=No
ATTALIGN=No
RESETNODEPOS=No
FIT2STANDARD=No
NODESNAP=No
MOVETEXT=No
TEXTINC=No
TOGGLETEXT=No
TOGGLEMODE=No
TOLERANCE=No
ALIGNAB=No
ALIGNLEFT=No
ALIGNCENTER=No
ALIGNRIGHT=No
ALIGNTOP=No
ALIGNMIDDLES=No

ALIGNBOTTOM=No

[Section]

Index=0

Name="no-C2_with-solder-joints+3-caps-v2b"

Type=Main

Enable=True

CurrentPage 0=0

CurrentPage 1=0

CurrentPage 2=0

CurrentPage 3=0

TabSize 0=425

TabSize 1=425

TabSize 2=425

TabSize 3=425

[Page]

Index=0

Section=0

Print=True

Enable=True

Name=Main

PrinterScale=1

Scale 0=1

Scale 1=1

Scale 2=1

SB 3=0,403

Scale 3=0.66666666666666663

Px=763,721

WinBackGround Color=#FFFFFF

Select Color=#FF0000

Anchor Color=#000000

Select Box Color=#000080

Grid Text Color=Height=-12,FStyle=0,Color=#0000FF,Name=Verdana

Grid Text RTF=False

Grid Text Angle=0

Grid Text GridSnap=True

Grid Text PinIt=False

Grid Text JustifyH=Left

Grid Text JustifyV=Bottom

Grid GradientColor2=None

Grid OutlineThickness=1

Grid OutlineColor=None

Component Color=#0000FF

Attribute Text=Height=-12,FStyle=0,Color=#008000,Name=Verdana

Wire Color=#008000

Bus Color=#008000

Pin Connection=Height=-10,FStyle=0,Color=#FF0000,Name=Arial

Pin Marker Color=#008000

Node Number=Height=-11,FStyle=0,Color=#FF00FF,Name=Arial

Node Voltage Color=Height=-11,FStyle=0,Color=#000000,Name=Arial

Dynamic AC Voltage Color=#E4E4E4

Text Banner Text=Height=-15,FStyle=0,Color=#800000,Name=Arial

Title Block Background=#C0C0C0

Current=Height=-11,FStyle=0,Color=#0000FF,Name=Arial

Power/Condition=Height=-11,FStyle=0,Color=#FF0000,Name=Arial

Digital Path Color=#FF0000

Title Block Border=#000000

Disabled Color=#C0C0C0

Search Color=#FFFF00

Grid Color=#000000

Graph Paper=#E4E4E4

Digital 0 Color=#000000

Digital R Color=#FFFF00

Digital F Color=#FFFF00

Digital 1 Color=#FF0000

Digital X Color=#C0C0C0

Digital Z Color=#808080

Block Select Color=#51F998

[Page]

Index=1

Section=0

Type=Text

Print=False

Enable=True

Name=Text

Font=Height=-15,FStyle=0,Color=#000000,Name=Courier New

Comment Color=#008000

WinBackGround Color=#FFFFFF

Disabled Color=#C0C0C0

KeyWord Color=#0000FF

Error Color=#FF0000

Search Color=#FFFF00

[Page]

Index=2

Section=0

Type=Text

Print=False

Enable=True

Name=Models

Font=Height=-15,FStyle=0,Color=#000000,Name=Courier New

Comment Color=#008000

WinBackGround Color=#FFFFFF

Disabled Color=#C0C0C0

KeyWord Color=#0000FF

Error Color=#FF0000

Search Color=#FFFF00

[Page]

Index=3

Section=0

Type=Info

Print=False

Enable=True

Name=Info

Font=Height=-15,FStyle=0,Color=#000000,Name=Courier New

Comment Color=#008000

WinBackGround Color=#FFFFFF

Disabled Color=#C0C0C0

KeyWord Color=#0000FF

Error Color=#FF0000

Search Color=#FFFF00

[Text Area]

Section=0

Page=1

Text=.OPTIONS ITL4=50

Text=.OPTIONS ITL1=100

Text=.OPTIONS PIVREL=0.001

[Text Area]

Section=0

Page=2

Text=

Text=.MODEL NEWMODEL1 IND (RS=300n)

Text=.MODEL NEWMODEL1 CAP (RS=10m)

Text=.MODEL NEWMODEL2 IND (RS=2.4)

Text=.MODEL MODELTIME1VSWITCHROFF1GRON1MVON1MVOFF VSWITCH ()

Text=.MODEL MODELTIME2VSWITCHROFF1GRON1MVON1MVOFF VSWITCH ()

Text=.MODEL TIME1 VSWITCH (ROFF=1G RON=1m VOFF=95n VON=100n)

Text=.MODEL TIME2 VSWITCH (ROFF=1G RON=1m VOFF=1900.5u VON=1.9m)

Text=.MODEL NEWMODEL3 IND (RS=3m)

Text=.MODEL NEWMODEL4 IND (RS=4.8)

Text=.MODEL NEWMODEL5 IND (RS=3n)

Text=.MODEL NEWMODEL6 IND (RS=900n)

Text=.MODEL NEWMODEL7 IND (RS=5.1)

Text=.MODEL NEWMODEL8 IND (RS=30)

Text=.MODEL NEWMODEL9 IND (RS=30n)

Text=.MODEL NEWMODEL10 IND (RS=300)

Text=.MODEL NEWMODEL11 IND (RS=3.13n)

Text=.MODEL NEWMODEL2 CAP (RS=1p)

Text=.MODEL NEWMODEL12 IND (RS=36.25n)

Text=.MODEL NEWMODEL13 IND (RS=375m)

[InfoPage]

InfoPage=True

Warnings=True

System=True

Defines=True

Array=True

Model=True

Measure=True

MacroSubckt=True

NotUsed=True

ComponentCounts=True

VariablizePaths=False

DontShowPaths=False

SimulationLog=True

[Transient]

WinID=1

Window Placement=2,3, -1,-1, -8,-31, 104,104,1261,495

Font=Height=-19,FStyle=0,Color=#0000FF,Name=Arial

WinBackGround Color=#FFFFFF

Select Color=#FF0000

Anchor Color=#000000

Select Box Color=#000080

Title=Table Model with Voltage Division and Two Grounds.CIR

AutoTitle=Yes

Grid Color=#808080

Grid Weight=1

Grid Pattern=Dot6

Tracker Foreground=Height=-15,FStyle=0,Color=#000000,Name=Arial

Tracker Background=#FFFF00

Baseline color=#0000FF

BaseLine Weight=1

CurveFit color=#FF0000

CurveFit Weight=2

CurveFit Pattern=Dash

Static Grids=False

PlusMark=False
MinorLog25=Off
LabelMinor=Off
DataPoints=True
Token=False
Ruler=False
XAxisGrids=True
YAxisGrids=True
MinorLogGrids=True
BaseLine=False
AlignZ=True
Align Cursors=True
TagFormatX=3
TagFormatY=3
FormulaFormat=2
EndMode=SCALE
Graph Background=#FFFFFF
Tracker Intercept=False
Tracker Mouse=True
Tracker Cursor=True
Tracker Cursor BranchInfo=False
Horizontal Cursor=False
Same Y Scales=Yes
Enable X Scaling=True
Enable Y Scaling=True
Keep X Scales The Same=True

Number of Grids X=5

Number of Grids Y=5

Cursor Select Color Primary=#C0C0C0

Cursor Select Color Secondary=#FF0000

Data Point Labels Color Fore=Height=-15,FStyle=0,Color=#000000,Name=Arial

Data Point Labels Color Back=#FFFF00

OperPoint=True

OperPointOnly=False

AutoScaleRanges=False

FixedTimeStep=False

DoPSS=False

PSS_Periods="1"

PSS_Iterations="5"

PSS_Error="1u"

PSS_ShowPlots=True

FFT_NPts="8192"

FFT_IncludeDCHarmonic=False

FFT_AutoScale_Harmonics="10"

PrinterAutoTile=No

PrinterBlackBorder=No

MonMaxShow=13

MonPageWidth=66

MonPlotWidth=21

MonExprXWidth=142

MonExprYWidth=575

MonRangeXWidth=90

MonRangeYWidth=90

AnimateWait=None

AnimateWaitTime=500

AnimatePressAfter=0

Save_For_Future=No

Reduce_Display=1

Reduce_Save=1

Reduce_ThrowDataOut=0

Num Out Header Left

Num Out Header Center="\$MC\n\$user\n\$company\n\$Analysis of \$name\n\$date \$time"

Num Out Header Right

Num Out Delimiter=32

Num Out Write=True

Num Out Write Main Header=True

Num Out Write Limits=True

Num Out Write Branch Header=True

Num Out Write Models=False

Num Out Write Zero Models=True

Num Out Write Undefined Models=True

Num Out Write Operating Point=True

Num Out Write Measurement Values=True

Num Out Write Tolerance Detail=True

Num Out Write Values=True

Num Out Write Waveform Header=True

Num Out Allow Dup Y Expr=False

Num Out Low="TSTART"

Num Out High="TMAX"

Num Out Font=Height=-15,FStyle=0,Color=#000000,Name=Courier New

Num Out Format=3

Num Out HideNonSelected=False

Num Out UseActualDataPoints=False

UserFileName="C:\Users\Vinyasi\Documents\Energy\PERFECTO\UPLOAD\Spark Gap\M-T
Cap Load and Spark Gap, v2.USR"

Wav SampleRate=176400

Wav Nbits=16

AutoSaveWave=True

Wave Format=16E

State Variables Format=5E

Print Individual Pages=False

[Tools]

Pos=Top

SELECT=Yes

PAN=Yes

GRAPHIC=Yes

LINE=No

ELLIPSE=No

RECT=No

DIAM=No

ARC=No

PIE=No

TRIANGLE=No

STAR=No
LEFTBRK=No
RIGHTBRK=No
BOTHBRK=No
META=No
PARALLELOGRAM=No
POLYCLOS=No
POLYOPEN=No
SCALE=Yes
CURSOR=Yes
MEASUREH=Yes
MEASUREV=Yes
TAG=Yes
PTAG=Yes
TEXT=Yes
PROPERTY=Yes
START=Yes
STOP=Yes
PAUSE=Yes
RESUME=No
DATAPTS=Yes
TOKENS=Yes
RULER=No
PLUS=No
XAXIS=Yes
YAXIS=Yes

MINORLOG=Yes

LOG25=No

BASELINE=No

HORIZCUR=No

GOTOX=Yes

GOTOY=Yes

GOTOPERF=Yes

GOTOBRNC=Yes

CLEAR_ACCUMULATED=Yes

PDELETE_ALL_PLOTS=Yes

NEXT=Yes

NEXTIN=Yes

PEAK=Yes

VALLEY=Yes

HIGH=Yes

LOW=Yes

INFLECTN=Yes

GHIGH=Yes

GLOW=Yes

BOTTOM=Yes

TOP=Yes

WAVEFORMBUFFER=Yes

AOUTPUT=Yes

PKEY=No

ENXSCALE=Yes

ENYSCALE=Yes

ZOOMIN=Yes

ZOOMOUT=Yes

AUTOSCALE=No

RESTORESCALE=No

COLOR=No

FONT=No

STYLE=Yes

SELNEXT=No

NORMALIZE=No

NORMALIZE_MIN=No

NORMALIZE_MAX=No

ADD_TAG_LEFT=No

ADD_TAG_RIGHT=No

ADD_HORZ_TAG=No

ADD_VERT_TAG=No

ALIGN_CURSORS=No

ALIGN_CURSORSZ=No

CURSORTOCLIPBOARD=No

TRACKER_CURSOR=No

TRACKER_CURSOR_BRANCHINFO=No

TRACKER_INTERCEPT=No

TRACKER_MOUSE=No

TOFRONT=No

TOBACK=No

SPLITCIRTEXTH=No

SPLITCIRTEXTV=No

SPACE_SPLITTERS_EVENLY=No

NORMALCIR=No

LABEL_WAVEFORM=No

LABEL_DATA_POINTS=No

WFB_ADD_TO_LIMITS=No

ENVELOPE=No

SAMEYSCALES=No

KEEPXSCALESTHESAME=No

CURVEFIT=No

ADD_MARKER=No

SHOWWATCH=No

BP=No

TOGGLEMODE=No

REMOVEALLTEXT=No

AUTOSCALEX=No

LABELALLMINOR=No

ALIGNLEFT=No

ALIGNCENTER=No

ALIGNRIGHT=No

ALIGNTOP=No

ALIGNMIDDLES=No

ALIGNBOTTOM=No

[APage]

Analysis=Transient

Name="MAIN"

[AC]

WinID=2

Font=Height=-19,FStyle=0,Color=#0000FF,Name=Arial

WinBackGround Color=#FFFFFF

Select Color=#FF0000

Anchor Color=#000000

Select Box Color=#000080

Title

AutoTitle=Yes

Grid Color=#808080

Grid Weight=1

Grid Pattern=Dot6

Tracker Foreground=Height=-15,FStyle=0,Color=#000000,Name=Arial

Tracker Background=#FFFF00

Baseline color=#0000FF

BaseLine Weight=1

CurveFit color=#FF0000

CurveFit Weight=2

CurveFit Pattern=Dash

Static Grids=False

PlusMark=False

MinorLog25=Off

LabelMinor=Off

DataPoints=False

Token=False

Ruler=False

XAxisGrids=True

YAxisGrids=True

MinorLogGrids=True

BaseLine=False

AlignZ=True

Align Cursors=True

TagFormatX=3

TagFormatY=3

FormulaFormat=2

EndMode=SCALE

Graph Background=#FFFFFF

Tracker Intercept=False

Tracker Mouse=True

Tracker Cursor=True

Tracker Cursor BranchInfo=False

Horizontal Cursor=False

Same Y Scales=Yes

Enable X Scaling=True

Enable Y Scaling=True

Keep X Scales The Same=True

Number of Grids X=5

Number of Grids Y=5

Cursor Select Color Primary=#C0C0C0

Cursor Select Color Secondary=#FF0000

Data Point Labels Color Fore=Height=-15,FStyle=0,Color=#000000,Name=Arial

Data Point Labels Color Back=#FFFF00

OperPoint=True

AutoScaleRanges=False

FFT_NPts="8192"

FFT_IncludeDCHarmonic=False

FFT_AutoScale_Harmonics="10"

PrinterAutoTile=No

PrinterBlackBorder=No

AnimateWait=None

AnimateWaitTime=500

AnimatePressAfter=0

Save_For_Future=No

Reduce_Display=1

Reduce_Save=1

Reduce_ThrowDataOut=0

Num Out Header Left

Num Out Header Center="\$MC\n\$user\n\$company\n\$Analysis of \$name\n\$date \$time"

Num Out Header Right

Num Out Delimiter=32

Num Out Write=True

Num Out Write Main Header=True

Num Out Write Limits=True

Num Out Write Branch Header=True

Num Out Write Models=False

Num Out Write Zero Models=True

Num Out Write Undefined Models=True

Num Out Write Operating Point=True
Num Out Write Measurement Values=True
Num Out Write Tolerance Detail=True
Num Out Write Noise=True
Num Out Write Values=True
Num Out Write Waveform Header=True
Num Out Allow Dup Y Expr=False
Num Out Low="FMIN"
Num Out High="FMAX"
Num Out Font=Height=-15,FStyle=0,Color=#000000,Name=Courier New
Num Out Format=3
Num Out HideNonSelected=False
Num Out UseActualDataPoints=False
AutoSaveWave=False
Wave Format=16E
State Variables Format=5E
Print Individual Pages=False

[Tools]

Pos=Top
SELECT=Yes
PAN=Yes
GRAPHIC=Yes
LINE=No
ELLIPSE=No
RECT=No

DIAM=No

ARC=No

PIE=No

TRIANGLE=No

STAR=No

LEFTBRK=No

RIGHTBRK=No

BOTHBRK=No

META=No

PARALLELOGRAM=No

POLYCLOS=No

POLYOPEN=No

SCALE=Yes

CURSOR=Yes

MEASUREH=Yes

MEASUREEV=Yes

TAG=Yes

PTAG=Yes

TEXT=Yes

PROPERTY=Yes

START=Yes

STOP=Yes

PAUSE=Yes

RESUME=No

DATAPTS=Yes

TOKENS=Yes

RULER=No

PLUS=No

XAXIS=Yes

YAXIS=Yes

MINORLOG=Yes

LOG25=No

BASELINE=No

HORIZCUR=No

GOTOX=Yes

GOTOY=Yes

GOTOPERF=Yes

GOTOBANC=Yes

CLEAR_ACCUMULATED=Yes

PDELETE_ALL_PLOTS=Yes

NEXT=Yes

NEXTIN=Yes

PEAK=Yes

VALLEY=Yes

HIGH=Yes

LOW=Yes

INFLECTN=Yes

GHIGH=Yes

GLOW=Yes

BOTTOM=Yes

TOP=Yes

WAVEFORMBUFFER=Yes

AOUTPUT=Yes

PKEY=No

ENXSCALE=Yes

ENYSCALE=Yes

ZOOMIN=Yes

ZOOMOUT=Yes

AUTOSCALE=No

RESTORESCALE=No

COLOR=No

FONT=No

STYLE=Yes

SELNEXT=No

NORMALIZE=No

NORMALIZE_MIN=No

NORMALIZE_MAX=No

ADD_TAG_LEFT=No

ADD_TAG_RIGHT=No

ADD_HORZ_TAG=No

ADD_VERT_TAG=No

ALIGN_CURSORS=No

ALIGN_CURSORSZ=No

CURSORTOCLIPBOARD=No

TRACKER_CURSOR=No

TRACKER_CURSOR_BRANCHINFO=No

TRACKER_INTERCEPT=No

TRACKER_MOUSE=No

TOFRONT=No

TOBACK=No

SPLITCIRTEXTH=No

SPLITCIRTEXTV=No

SPACE_SPLITTERS_EVENLY=No

NORMALCIR=No

LABEL_WAVEFORM=No

LABEL_DATA_POINTS=No

WFB_ADD_TO_LIMITS=No

ENVELOPE=No

SAMEYSCALES=No

KEEPXSCALETHESAME=No

CURVEFIT=No

ADD_MARKER=No

SHOWWATCH=No

BP=No

TOGGLEMODE=No

REMOVEALLTEXT=No

AUTOSCALEX=No

LABELALLMINOR=No

ALIGNLEFT=No

ALIGNCENTER=No

ALIGNRIGHT=No

ALIGNTOP=No

ALIGNMIDDLES=No

ALIGNBOTTOM=No

[Monte Carlo Options]

Analysis=Transient

Status=Off

Zero Tolerance=False

Eliminate Outliers=False

Distribution=Normal

Number of Runs=10

Seed=0

[Monte Carlo Options]

Analysis=AC

Status=Off

Zero Tolerance=False

Eliminate Outliers=False

Distribution=Normal

Number of Runs=10

Seed=0

[Limits]

Analysis=Transient

TMax=2.00000000000000002e3

TStart=0

TStep=0

NPts=51

Temp=27

RetraceRuns=1

StateVar=Zero

RunOption=Normal

Temperature Type=Linear

Accumulate Plots=False

IgnoreExprErrors=False

[WaveForm]

Analysis=Transient

Plt=1

AliasID=27

XExp=T

YExp=AVG(PGT)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#000000

Text Color=#000000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=2

AliasID=21

XExp=T

YExp=AVG(PDT)-AVG(PST)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#000000

Text Color=#000000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=3

AliasID=9

XExp=T

YExp=AVG(PD(ResLoad))

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#000000

Text Color=#000000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=4

AliasID=1

XExp=T

YExp=AVG(PD(ResLoad))/AVG(PG(Sine_Wave_Generator))

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=DontRun

Line Color=#000000

Text Color=#000000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=5

AliasID=26

XExp=T

YExp=AVG(PG(Sine_Wave_Generator))

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#000000

Text Color=#000000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=6

AliasID=13

XExp=T

YExp=V(ResLoad)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#0000FF

Text Color=#0000FF

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=7

AliasID=25

XExp=T

YExp=I(ResLoad)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#FF0000

Text Color=#FF0000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=8

AliasID=23

XExp=T

YExp=V(Sine_Wave_Generator)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#0000FF

Text Color=#0000FF

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=9

AliasID=24

XExp=T

YExp=I(Sine_Wave_Generator)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#FF0000

Text Color=#FF0000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=10

AliasID=2

XExp=T

YExp=V(MC1)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#0000FF

Text Color=#0000FF

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=11

AliasID=3

XExp=T

YExp=I(MC1)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Hide

Line Color=#FF0000

Text Color=#FF0000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=12

AliasID=4

XExp=T

YExp=V(C7)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Enable

Line Color=#0000FF

Text Color=#0000FF

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=Transient

Plt=13

AliasID=5

XExp=T

YExp=I(C7)

XRng=AUTOALWAYS

YRng=AUTOALWAYS

Options=LINEARX,LINEARY

Enable=Enable

Line Color=#FF0000

Text Color=#FF0000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[Limits]

Analysis=AC

FRange=1E8,1Meg

NPts=1001

Temp=27

MaxChng=5

NInput=NONE

NOutput=2

Sweep type=Log

StateVar=Zero

RunOption=Normal

Temperature Type=Linear

Accumulate Plots=False

IgnoreExprErrors=False

FirstValueDisplay=Mag

SecondValueDisplay=PhaseDeg

DisplayValuesInProbe=DC

[WaveForm]

Analysis=AC

Plt=1

AliasID=1

XExp=F

YExp=dB(v(1))

XRng=Auto

YRng=Auto

Options=LINEARY

Enable=Enable

Line Color=#0000FF

Text Color=#0000FF

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=AC

Plt=2

AliasID=2

XExp=F

YExp=ph(v(1))

XRng=Auto

YRng=Auto

Options=LINEARY

Enable=Enable

Line Color=#FF0000

Text Color=#FF0000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[WaveForm]

Analysis=AC

AliasID=-1

Options=LINEARY

Enable=Enable

Line Color=#008000

Text Color=#008000

Rainbow=False

VFmtX=3

VFmtY=3

ScaleFactorX="None"

ScaleFactorY="None"

ScaleUnitsX="Auto"

ScaleUnitsY="Auto"

SFmtX=2

SFmtY=2

NOFmtX=3E

NOFmtY=3E

[Limits]

Analysis=DynamicAC

FirstValueDisplay=Mag

SecondValueDisplay=PhaseDeg

PlaceText=True

[Limits]

Analysis=DynamicDC

PlaceText=True

[Pane]

Analysis=Transient

CurrentPage 0="MAIN"

[Pane]

Analysis=AC

[Pane]

Analysis=DC

[Pane]

Analysis=HmDistortion

[Pane]

Analysis=ImDistortion

[Pane]

Analysis=Stability

[Optimize]

Analysis=Transient

Format=6

ThatCnt=10

POWELL_TOL=1e-4

POWELL_RelPercentTol=.1

POWELL_PercentTol=1m

HOOKE_TOL=1e-4

HOOKE_PercentTol=1m

HOOKE_RHO=.3
HOOKE_EPSILON=1e-9
HOOKE_ITERMAX=1000
DE_MAXITER=200
DE_IPRINT=50
DE_PCROS=.9
DE_FACT=.5
DE_MULTIPLIER=5
InitialRangeFactor=2
InitializeEach=False
Method=Powell
Method=Hooke
Method=LM
Method=DE
Update_Plot=False
Minimize_Plot=False
StartWith=Existing
GridSize=4
NumberOfTrys=10
Log=False
Show Log=False

[Watch]

Analysis=Transient
Format=3
ExprPercentWidth=80

[Watch]

Analysis=AC

Format=3

ExprPercentWidth=80

[WCTolerance]

Var Width=100

Nominal Width=72

Tol Width=152

Tol Name=Drift

Col Width Neq=50

Col Width Pos=50

Col Width Rnd=50

[WCFiles]

UseFile=<Library>Standard.tlib

AVAILABLE_FILE=<Library>Standard.tlib

[OPMethods]

Analysis=Transient

Standard Newton-Raphson=0,0

Source Stepping=0,0

Diagonal Gmin Stepping=0,0

Junction Gmin Stepping=0,0

Pseudo Transient=0,0

[OPMethods]

Analysis=AC

Standard Newton-Raphson=0,0

Source Stepping=0,0

Diagonal Gmin Stepping=0,0

Junction Gmin Stepping=0,0

Pseudo Transient=0,0

[OPMethods]

Analysis=DC

Standard Newton-Raphson=0,0

Source Stepping=0,0

Diagonal Gmin Stepping=0,0

Junction Gmin Stepping=0,0

Pseudo Transient=0,0

[OPMethods]

Analysis=HmDistortion

Standard Newton-Raphson=0,0

Source Stepping=0,0

Diagonal Gmin Stepping=0,0

Junction Gmin Stepping=0,0

Pseudo Transient=0,0

[OPMethods]

Analysis=ImDistortion

Standard Newton-Raphson=0,0

Source Stepping=0,0

Diagonal Gmin Stepping=0,0

Junction Gmin Stepping=0,0

Pseudo Transient=0,0

[OPMethods]

Analysis=Stability

Standard Newton-Raphson=0,0

Source Stepping=0,0

Diagonal Gmin Stepping=0,0

Junction Gmin Stepping=0,0

Pseudo Transient=0,0

[OPMethods]

Analysis=DynamicAC

Standard Newton-Raphson=0,0

Source Stepping=0,0

Diagonal Gmin Stepping=0,0

Junction Gmin Stepping=0,0

Pseudo Transient=0,0

[OPMethods]

Analysis=DynamicDC

Standard Newton-Raphson=0,0

Source Stepping=0,0

Diagonal Gmin Stepping=0,0

Junction Gmin Stepping=0,0

Pseudo Transient=0,0