

OPTIM

Optim

Optim1

Optim Type=Random

MaxIters=25

DesiredError=0.0

StatusLevel=4

FinalAnalysis="None"

NormalizeGoals=yes

SetBestValues=yes

Seed=

SaveSolns=yes

SaveGoals=yes

SaveOptimVars=no

UpdateDataset=yes

SaveNominal=no

SaveAllIterations=no

UseAllOptVars=yes

UseAllGoals=yes

SaveCurrentEF=no

EnableCockpit=yes

SaveAllTrials=no

GOAL

Goal

OptimGoal1

Expr="VSWR1"

SimInstanceName="SP1"

Weight=1.0

IndepVar[1]="freq"

LimitType[1]="LessThan"

LimitMax[1]=1.1

Indep1Min[1]=6.95 GHz

Indep1Max[1]=7.05 GHz

GOAL

Goal

OptimGoal2

Expr="VSWR2"

SimInstanceName="SP1"

Weight=1.0

IndepVar[1]="freq"

LimitType[1]="LessThan"

LimitMax[1]=1.1

Indep1Min[1]=6.95 GHz

Indep1Max[1]=7.05 GHz

S-PARAMETERS

S_Param

SP1

Step=10 MHz

Center=7 GHz

Span=6 GHz

MSub

MSUB

MSub1

H=dielectric_height

Er=Arlon_Er

T=conductor_height

TanD=Arlon_TanD

Var
Eqn

VAR

MLIN_parameters

W50=1.382 mm

L_feed=2.5 mm

L_shunt=5.558 mm {t} {o}

L_serial=9.735 mm {t} {o}

Var
Eqn

VAR

schematic_parameters

F_center=7 GHz

ZS=50 Ohm

ZL=35+j*7 Ohm

Var
Eqn

VAR

substrate_parameters

Arlon_Er=2.55

Arlon_TanD=0.0013

dielectric_height=0.508 mm

conductor_height=35 um

