S-PARAMETERS

S_Param
SP1
Step=10 MHz
Center=7 GHz
Span=6 GHz

VSWR

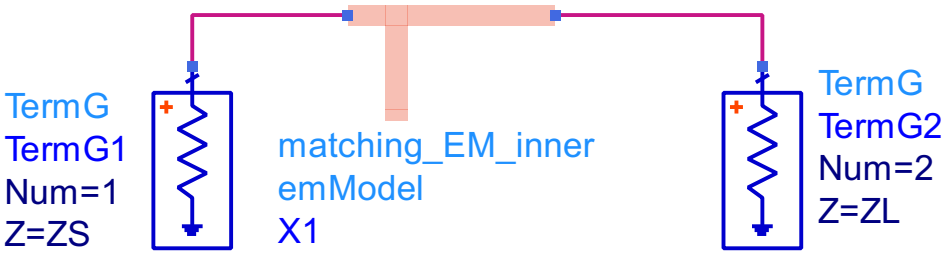
VSWR
VSWR1
VSWR1=vswr(S11)
VSWR2=vswr(S22)

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



TermG
TermG1
Num=1
Z=ZS

matching_EM_inner
emModel
X1
W50=1.382 mm {s}
L_feed=2.5 mm {s}
L_shunt=5.9 mm {s}
L_serial=10.8 mm {s}

TermG
TermG2
Num=2
Z=ZL

YIELD

Yield
Yield1
NumIters=100
PPT_Mode=none
ShadowModelType=none
Seed=
SaveSolns=yes
SaveSpecs=yes
SaveRandVars=yes
UpdateDataset=yes
SaveAllIterations=yes
UseAllSpecs=yes
StatusLevel=2

YIELD SPEC

YieldSpec
Spec1
Expr="VSWR1"
SimInstanceName="SP1"
Max=1.1
RangeVar[1]="freq"
RangeMin[1]=6.95 GHz
RangeMax[1]=7.05 GHz

YIELD SPEC

YieldSpec
Spec3
Expr="dB(S(2,1))"
SimInstanceName="SP1"
Min=-0.2
RangeVar[1]="freq"
RangeMin[1]=6.95 GHz
RangeMax[1]=7.05 GHz

YIELD SPEC

YieldSpec
Spec2
Expr="VSWR2"
SimInstanceName="SP1"
Max=1.1
RangeVar[1]="freq"
RangeMin[1]=6.95 GHz
RangeMax[1]=7.05 GHz