S-PARAMETERS

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

MSub

MSUB
MSub1
H=0.508 mm
Er=2.55
T=35 um
TanD=0.0013

VAR
freq_parameters
central_freq=7 GHz

VAR
lines_parameters
W50=1.383 mm
W71=0.756 mm {t}
L_feed=2.5 mm
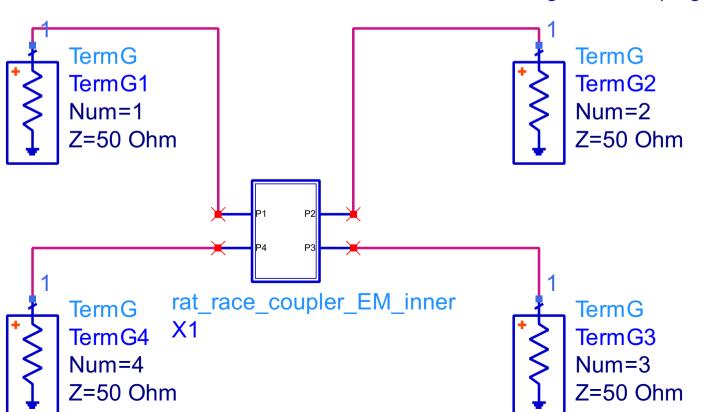L_curve=6.26 mm {t}
radius=L_curve / 3.14 * 3
ang14=60.2 {t}
ang23=60 {t}
ang12=180 - (ang14 + ang23)

TermG
TermG1
Num=1
Z=50 Ohm

TermG
TermG2
Num=2
Z=50 Ohm

P1 P2
P4 P3

rat_race_coupler_EM_inner
X1

TermG
TermG4
Num=4
Z=50 Ohm

TermG
TermG3
Num=3
Z=50 Ohm