



rat\_race\_coupler\_EM\_inner  
emModel

X1

W50=1.382 mm

W71=0.756 mm

L\_feed=2.5 mm

L\_curve=6.26 mm

radius=L\_curve / 3.14 \* 3

ang14=60.2

ang23=60

ang12=180 - (ang14 + ang23)

MSub

MSUB

MSub1

H=0.508 mm

Er=2.55

T=35 um

TanD=0.0013



## S-PARAMETERS

S\_Param

SP1

Step=10 MHz

Center=centeral\_freq

Span=6 GHz

Var  
Eqn

VAR

freq\_parameters

central\_freq=7 GHz

Var  
Eqn

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)