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VS-E5PH3012

* Model Diode *

.MODEL VS-E5PH3012 D

+ IS=250.00E-6

+ N=4.2675

+ RS=7.6123E-3

+ IKF=.69493

+ CJO=203.71E-12

+ M=.4044

+ VJ=.3905

+ ISR=10.010E-21

+ NR=4.9950

+ BV=1.3555E3

+ IBV=25.866E-3

*use follow TT for spide3f5 compliant simulator ot other Tj simulation

* + TT=32.625E-9

+ XTI=14.5

+ Tikf=0.054

+ Trs1=0.0012

*use follow TT an Vp with LTspice at 25°C

+ TT=57.625E-9

+ Vp=0.41

.ENDS VS-E5PH3012 D

Thermal Model Subcircuit

.SUBCKT ZTH-E5PH3012 Tj Ta

R THERM1	Tj	1	7.172e-03
R THERM2	1	2	3.157e-02
R THERM3	2	3	3.082e-01
R THERM4	3	Ta	2.844e-01

C THERM1	Tj	1	2.362e-04
C THERM2	1	2	3.163e-03
C THERM3	2	3	1.158e-02
C THERM4	3	Ta	5.319e-02

.ENDS ZTH-SUBCKT ZTH-E5PH3012



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