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VS-E5PX3012

* Model Diode *

.MODEL VS-E5PX3012 D

+ IS=800.00E-6

+ N=5.6551

+ RS=10.172E-3

+ IKF=.71976

+ CJO=199.46E-12

+ M=.39728

+ VJ=.3905

+ ISR=10.010E-21

+ NR=4.9950

+ BV=1.3425E3

+ IBV=25.867E-3

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

* + TT=26.508E-9

+ XTI=28

+ Tikf=0.06

+ Trs1=0.0001

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

+ TT=40.208E-9

+ Vp=0.62

.ENDS VS-E5PX3012 D

Thermal Model Subcircuit

.SUBCKT ZTH-E5PX3012 Tj Ta

RTHERM1 Tj 1 7.336e-03

RTHERM2 1 2 3.151e-02

RTHERM3 2 3 2.867e-01

RTHERM4 3 Ta 3.030e-01

CTHERM1 Tj 1 2.296e-04

CTHERM2 1 2 3.080e-03

CTHERM3 2 3 1.838e-02

CTHERM4 3 Ta 1.732e-02

.ENDS ZTH-SUBCKT ZTH-E5PX3012



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