

SPICE MODEL & PARAMETERS

**FIGURE 1
SPICE MODEL FOR P0402FC SERIES**



ABD: AVALANCHE BREAKDOWN DIODE (TVS)

TABLE 1 – SPICE PARAMETERS		
PARAMETER	UNIT	ABD (TVS)
BV	V	See Table 2
IBV	uA	1
Cjo	pF	See Table 2
Is	A	See Table 2
Vj	V	0.6
M	-	0.33
N	-	1
Rs	Ohms	See Table 2
TT	s	1E-8
EG	eV	1.11

TABLE 2 – ABD SPECIFIC SPICE PARAMETERS				
PART NO.	BV (VOLTS)	Cjo (pF)	IS (AMPS)	Rs (OHMS)
P0402FC3.3C	4.0	150	1E-11	0.20
P0402FC05C	6.0	100	1E-11	0.16
P0402FC08C	8.5	75	1E-13	0.33
P0402FC12C	13.3	50	1E-13	0.51
P0402FC15C	16.7	40	1E-13	0.53
P0402FC24C	26.7	20	1E-13	0.63
P0402FC36C	40.2	15	1E-13	0.73

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