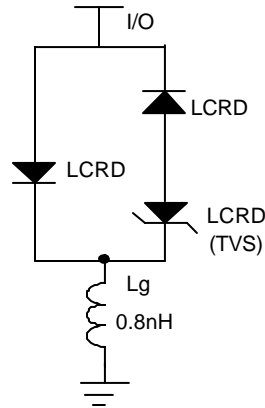


**FIGURE 1
SPICE MODEL FOR USB04 SERIES**



LCRD: LOW CAPACITANCE RECTIFIER DIODE
 ABD: AVALANCHE BREAKDOWN DIODE (TVS)
 Lg: LEAD INDUCTANCE

TABLE 1 – SPICE PARAMETERS

PARAMETER	UNIT	ABD (TVS)	LCRD
BV	V	See Table 2	200
IBV	uA	1	0.01
Cjo	pF	See Table 2	5
Is	A	See Table 2	1E-13
Vj	V	0.6	0.6
M	-	0.33	0.33
N	-	1	1
Rs	Ohms	See Table 2	0.31
TT	s	1E-8	1E-9
EG	eV	1.11	1.11

TABLE 2 – ABD SPECIFIC SPICE PARAMETERS

PART NO.	BV (VOLTS)	Cjo (pF)	IS (AMPS)	Rs (OHMS)
USB0403	4.5	200	1E-11	0.22
USB0405	6.0	140	1E-11	0.18
USB0408	8.5	67	1E-11	0.12
USB0412	13.3	55	1E-13	1.10
USB0415	16.7	47	1E-13	1.43
USB0424	26.7	28	1E-13	4.24