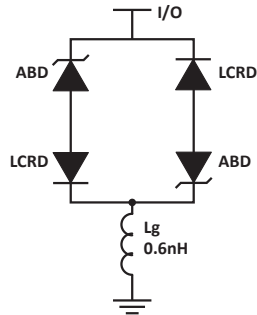


**SPICE MODEL & PARAMETERS**

**FIGURE 1**  
**SPICE MODEL**



ABD - Avalanche Breakdown Diode (TVS)  
LCRD: Low Capacitance Rectifier Diode  
Lg - Lead Inductance

SPICE PARAMETERS			
PARAMETER	UNIT	ABD(TVS)	LCRD
BV	V	4.0	100
IBV	μA	1	0.5
C <sub>jo</sub>	pF	200	0.3
I <sub>s</sub>	A	1E-11	1E-11
Vj	V	0.6	0.6
M	-	0.33	0.33
N	-	1	1
R <sub>s</sub>	Ohms	0.22	0.75
TT	s	1E-8	1E-9
EG	eV	1.11	1.11

## COMPANY INFORMATION

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### COMPANY PROFILE

In business more than 20 years, ProTek Devices™ is a privately-held company located in Tempe, Arizona, that offers a product line of transient voltage suppressors (TVS); avalanche breakdown diodes; steering diode TVS arrays and other surge suppressor component products. These TVS devices protect electronic systems from the effects of lightning, electrostatic discharge (ESD), nuclear electromagnetic pulses (NEMP), inductive switching and EMI / RFI. ProTek Devices also offers high performance interface and linear products that include analog switches; multiplexers; LED drivers; audio control ICs; RF and related high frequency products. The analog devices work in a host of consumer; industrial; automotive and other applications.

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