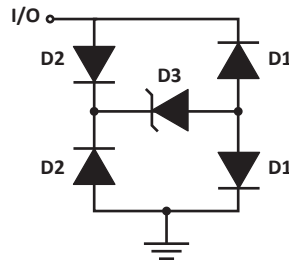


SPICE MODEL & PARAMETERS

FIGURE 1  
SPICE MODEL



ABD (D3) - Avalanche Breakdown Diode (TVS)  
LCRD (D1/D2): Low Capacitance Rectifier Diode

TABLE 1 - SPICE PARAMETERS

PARAMETER	UNIT	ABD/TVS(D3)	LCRD (D1)	LCRD (D2)
BV	V	11.50	100	100
IBV	mA	1	1	1
C <sub>jo</sub>	pF	60	0.3	0.3
I <sub>s</sub>	A	1E-11	1E-11	1E-11
V <sub>j</sub>	V	0.6	0.6	0.6
M	-	0.4	0.01	0.01
N	-	1.1	1.1	1.1
R <sub>s</sub>	Ohms	2.9	1.7	1.7
TT	s	1E-9	1E-9	1E-9
EG	eV	1.11	1.11	1.11

## COMPANY INFORMATION

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### COMPANY PROFILE

ProTek Devices, based in Tempe, Arizona USA, is a manufacturer of Transient Voltage Suppression (TVS) products designed specifically for the protection of electronic systems from the effects of lightning, Electrostatic Discharge (ESD), Nuclear Electromagnetic Pulse (NEMP), inductive switching and EMI/RFI. With over 25 years of engineering and manufacturing experience, ProTek designs TVS devices that provide application specific protection solutions for all electronic equipment/systems.

ProTek Devices Analog Products Division, also manufactures analog interface, control, RF and power management products.

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