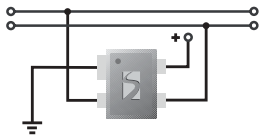


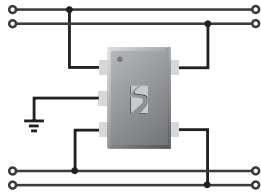
using 5V protection  
on 3V lines?

not for long.

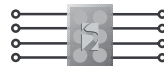
## True 3.3V Protection from Semtech



**SR2.8**  
SOT-143 package



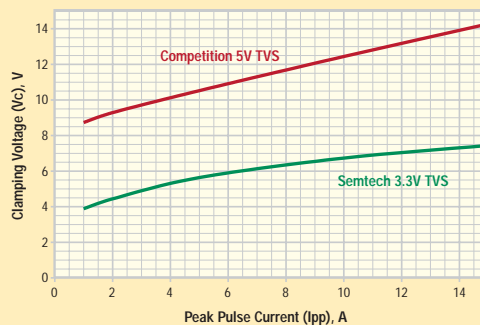
**SMF3.3**  
SC70 package



**SFC3.3-4**  
Flip-chip

Better protection from ESD and other transients compared to typical 5V TVS devices.

- 1/10th the leakage current
- 50% lower clamping voltage
- Meets IEC 61000-4-2, Level 4
- Variety of small form factors ideal for portable designs



If you're still using 5V protection on 3V lines, you're vulnerable.

Today's portables can be easily damaged by electrostatic discharge or other transients. Our patented EPD-TVS technology provides true 3V protection with low leakage current to help extend battery life, and low clamping voltage to protect even next-generation devices. Many have the same pinouts as existing 5V solutions, so implementation is easy. Find out how Semtech keeps you protected at

[www.semtech.com/TVS3](http://www.semtech.com/TVS3)

SEMTECH PROTECTION PRODUCTS



  
**SEMTECH**