

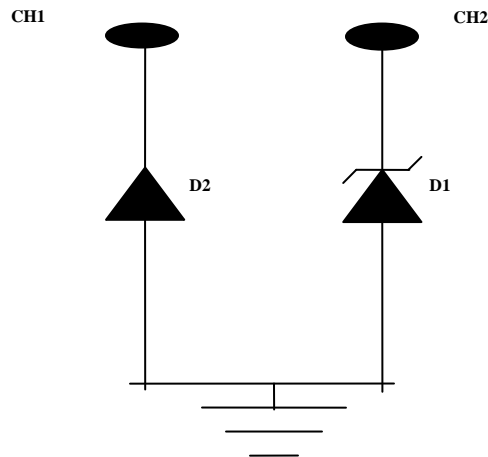
## Part# XPLX-03xxxV High current Transient Voltage Suppressor (TVS) Diode

SiliconApps XPLX-03xxxV series is designed to protect sensitive components from ESD events with excellent clamping capability, low leakage and very fast response time all in a small footprint with die size of 18.3X17.5 mils (465X445 microns). Because of its small size, it can be used in High-Brightness Light Emitting Diodes (HBLED), cellular phones, MP3 players, and any other application that require extremely small size.

### Features:

- Low clamping voltage.
- Can handle higher currents.
- Available in high break down voltage up to 150V.
- Bumped die, or small body outline packages.
- Low leakage.
- Response time of <1nS.
- IEC61000-4-2 Level 4 ESD Protection.
- Lead Free in bumped or packaged formats.

### Circuit Schematic:



### Electrical Specs:

SiliconApps PART Number	V <sub>RWM</sub> (V)	BV min. (V)	I <sub>r</sub> max (uA)	Capcitanace (pf)	Channels	ESD Level	Package <sup>2</sup>
XPLX03030V	30	35	5.0uA	100	2	15KeV	Die
XPLX03045V	45	50	3.0uA	85	2	15KeV	Die
XPLX03075V	75	80	3.0uA	75	2	15KeV	Die
XPLX03100V	100	110	3.0uA	55	2	15KeV	Die

- 1) Other special voltage ranges are available upon request.
- 2) Contact Silicon Apps for packages available.