

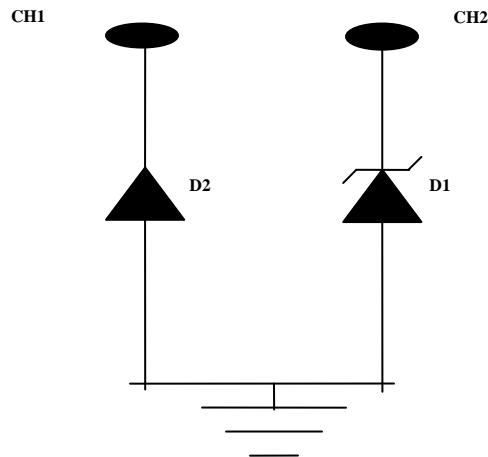
Part# XPLX-020xxV High current Transient Voltage Suppressor (TVS) Diode

The XPLX-020xxV 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:

BiCMOS PART Number	V_{RWM} (V)	BV min. (V)	I_r max (uA)	Capcitanace (pf)	Channels	ESD Level	Package ²
XPLX02005V	5.2	6.4	5.0uA	150	2	15KeV	Die
XPLX02006V	6.0	7.0	3.0uA	130	2	15KeV	Die
XPLX02015V	15	16	3.0uA	100	2	15KeV	Die
XPLX02023V	23	25	2.0uA	100	2	15KeV	Die
XPLX02030V	30	33	2.0uA	75	2	15KeV	Die

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