

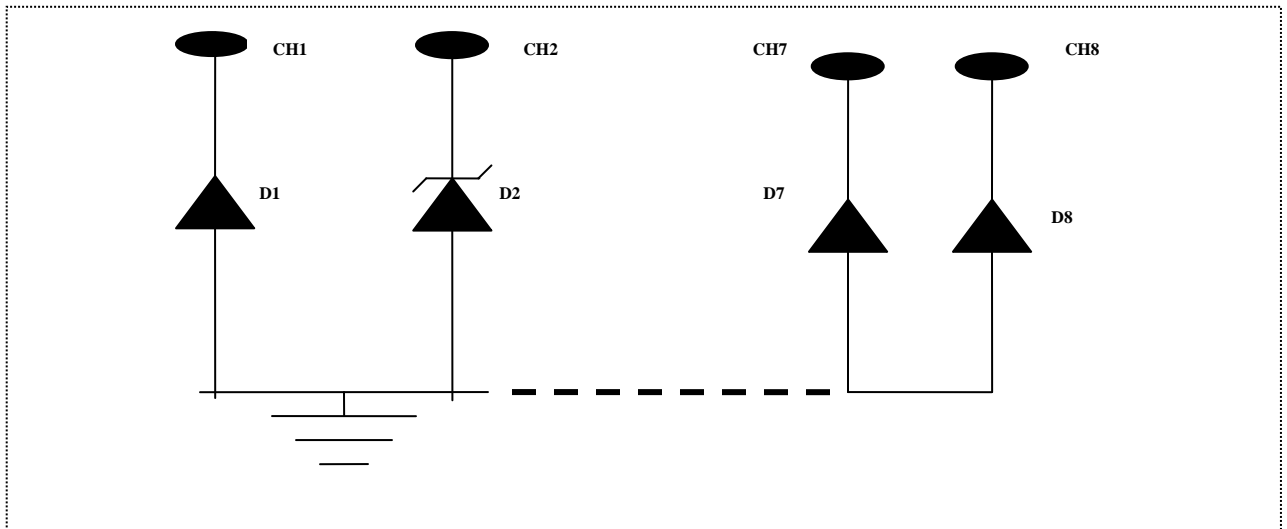
## Part# XAVS-140206V/08V High current Transient Voltage Suppressor (TVS) Diodes

The XAVS-140206V/08V series is designed to protect components from ESD events with excellent clamping capability, low leakage and very fast response time all in a small footprint CSP providing 8 channels with die size of 2.0mmX1.4mm. This is suitable for all applications like MP3 players, Digital Cameras, Lap Tops and other products that require ESD protection where space is at a premium.

### Features:

- Low clamping voltage.
- High current.
- 8 channels of ESD protection in CSP format with two center ground bumps.
- Low leakage.
- Response time of <math><1\text{nS}</math>.
- IEC61000-4-2 Level 4 ESD Protection.
- Lead Free in bumped CSP format.

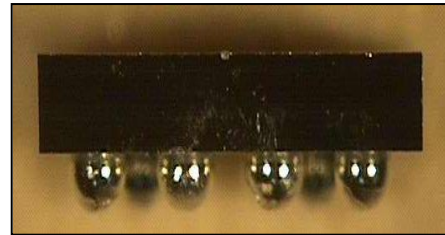
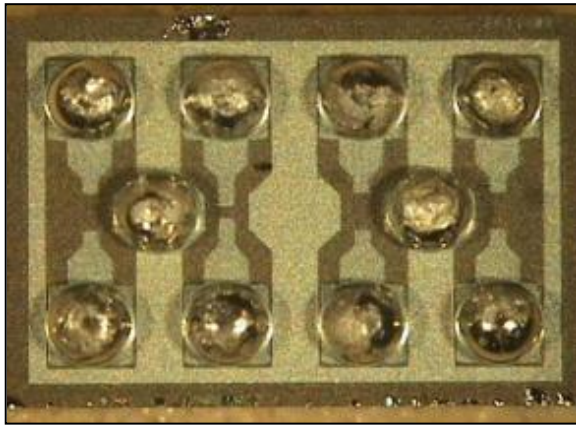
### Circuit Schematic:



**Electrical Specs:**

BiCMOS PART Number	$V_{RWM}$ (V) <sup>1</sup>	BV min. (V)	$I_r$ max (uA)	Capcitanace (pf)	Channels	ESD Level	Package
XAVS140206V	6	7	1.0uA	40	8	15KeV	CSP-10
XAVS140208V	8	9	1.0uA	30	8	15KeV	CSP-10

1) Other voltage ranges are available upon request, contact SiliconApps for details.



**CSP-10 PACKAGE**