

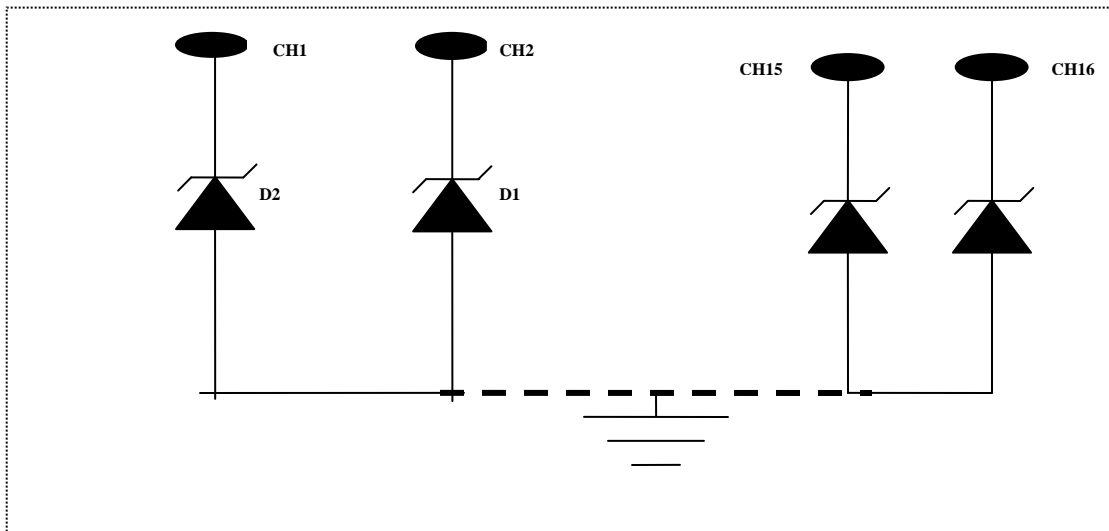
Part# XAVS-140406V/08V High current Transient Voltage Suppressor (TVS) Diodes

The XAVS-140406V/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 16 channels with die size of 4.04mmX1.45mm. This is suitable for all applications like MP3 players, Digital Cameras, Lap Tops and other products where space is at premium and ESD protection is needed.

Features:

- Low clamping voltage.
- High current.
- 16 channels of ESD protection in one small foot print.
- CSP-20 format with 16 diodes on the perimeter and 4 ground bumps in the middle.
- Low leakage.
- Response time of <math><1\text{nS}</math>.
- IEC61000-4-2 Level 4 ESD Protection.
- Lead Free solder used for the CSP-20 format.

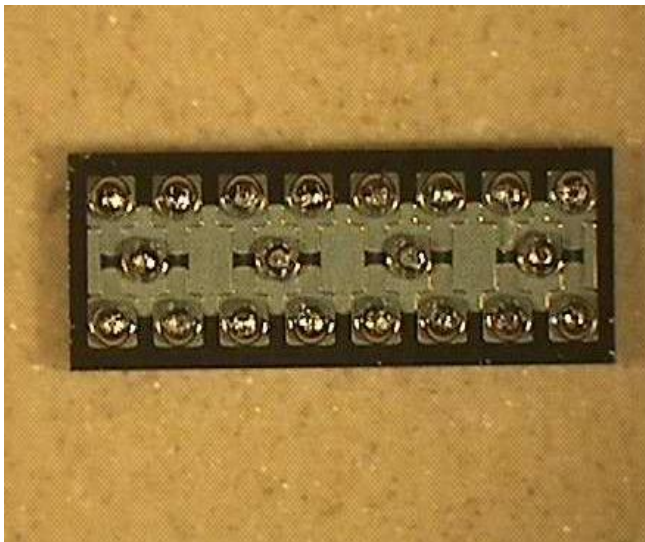
Circuit Schematic:



Electrical Specs:

BiCMOS PART Number	V_{RWM} (V) ¹	BV min. (V)	I _r max (uA)	Capcitanace (pf)	Channels	ESD Level	Package
XAVS140406V	6	7	1.0uA	35	16	15KeV	CSP-20
XAVS140408V	8	9	1.0uA	25	16	15KeV	CSP-20

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



CSP-20 PACKAGE

CSP TOP VIEW



CSP SIDE VIEW