

Part# XBCM020108V Transient Voltage Suppressor (TVS) Diode

The XBCM020108V 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 with die size of 20X10 mils (600X300 microns).

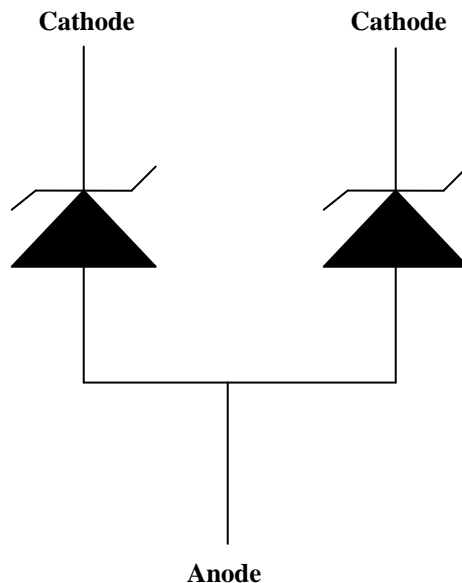
Because of its small size, it can be used in cellular phones, MP3 players and any other application that require extremely small size.

Features:

- Two channels per die.
- Low clamping voltage.
- Low capacitance of 13pF.
- Bare die or Bumped die in addition to 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:

The following schematic represent one die with two TVS diodes.

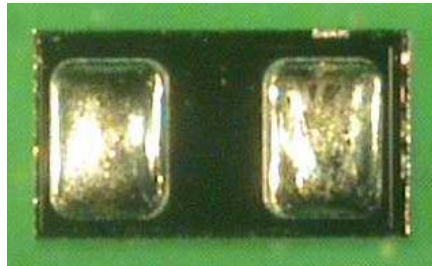


Electrical Specs:

BiCMOS PART Number	$V_{RWM}(V)$	BV min. (V)	I_r max (uA)	Capcitanace (pf)	Channels	ESD Level	Package
XBCM020108V*	8	9	1	13	2	30KeV	SOT23-3, SC70-3, SOT23-5, SC70-5, SC70-6 & die**

* Other special voltage ranges are available upon request.

** Contact SiliconApps for packages available.



XBCM020108V BUMPED DIE

Packaged die

