

TVS Diodes for Excellent ESD Protection

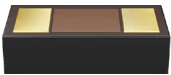
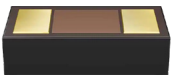
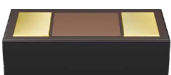



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TDK offers extremely small TVS diodes for highly effective ESD protection.

General Purpose and Ultra-Low Clamping and Capacitance TVS.

The micro packaged TVS diodes with low clamping and capacitance are designed to protect voltage-sensitive components from ESD for general purpose and high-speed applications. Excellent clamping voltage, low leakage and fast response time provide a state-of-the-art protection to ESD. The ultra-slim package size is the perfect fit for applications with tight space requirements.

Footprint	Sizes (mm) Package	Thickness	V_{WM}	V_{BR}	V_C @Ipp =8A, TLP	Dynamic Resistance	Leakage current @ 3.3 V	Capacitance
B74121G0050M060								
	600 μ m x 300 μ m WL-CSP0201SL	150 μ m	5 V	6.8 V	7.2 V	0.1 Ω	2 nA	12 pF
B74111G0050M060								
	400 μ m x 200 μ m WL-CSP01005SL	100 μ m	5 V	6.8 V	7.6 V	0.16 Ω	2 nA	5 pF
B74121U0033M060								
	600 μ m x 300 μ m WL-CSP0201SL	150 μ m	3.3 V	6.3 V	3.9 V	0.16 Ω	1 nA	0.65 pF
B74111U0033M060								
	400 μ m x 200 μ m WL-CSP01005SL	100 μ m	3.3 V	6.3 V	3.8 V	0.15 Ω	1 nA	0.48 pF

Please be informed that the series status of above products is in production.



Applications

- Hearing Aids
- True Wireless Stereo (TWS)
- Machine-to-Machine (M2M)
- Wearables and portable devices
- Smartphones and Tablets
- Network Communication devices
- High Speed Interfaces (USB3.2, HDMI 2.0, etc.)



Features

- Ultra-small package
- High ESD resistivity
- Low clamping voltage
- Low leakage current
- Very low capacitance

