

# Excellent ESD protection for tight space requirements and high speed interfaces

The new **micro-packaged** TVS diode by TDK is designed to protect voltage sensitive components from ESD.

Excellent clamping voltage, low leakage, and fast response time provides a state-of-the-art protection on applications that are exposed to ESD. Due to its **ultra slim** package, it is an excellent solution for smartphones, true wireless earbuds, smart watches, M2M-solutions and many other compact modules and components with **tight space requirements**.


## Applications:

- Cellular handsets
- Machine-to-Machine (M2M)
- Laptops
- Tablets
- Wearables
- Other portable devices
- Network communication devices

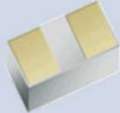
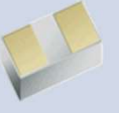


 **Low clamping voltage**

 **Low leakage** current

 High ESD robustness based on **IEC61000-4-2**

 **Ultra small** SMD package with **minimum height** down to **100 μm**

General Purpose Type	B74121G0050M060	B74111G0050M060
Footprint		
Size	600μm x 300μm	400μm x 200μm
Thickness	150μm	100μm
Working Voltage	5V	5V
Breakdown Voltage	6.8V	6.8V
Clamping voltage @ I <sub>pp</sub> = 16A, TLP	8V	8.9V
Dynamic resistance	0.1Ω	0.16Ω
Capacitance	12pF	5pF