



NEW PRODUCT

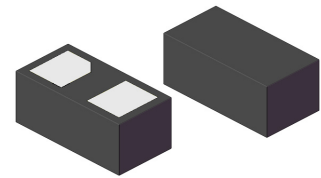
## Good-Ark Semiconductor Low Capacitance DFN0603 ESD Protection Diodes

### Low Leakage/Fast Response/Bi-directional TVS in DFN0603 Package

Good-Ark Semiconductor's DFN0603 (0201) ESD TVS series offers low leakage, fast response time and low clamping voltage. Packaged in the DFN0603 (0201), these devices are specifically designed to protect sensitive components connected to data and transmission lines from overvoltage caused by ESD (electrostatic discharge) and EFT (electrical fast transients). Ultra small footprint and super low profile, these devices are ideal for smart phones, USB3.0 and other portable applications that have space constraints.

### FEATURES

- Low Leakage Current
- Low Clamping Voltage
- Low Capacitance
- RoHS Compliant and Halogen Free



Package: DFN0603 (0201)  
0.65x0.35x0.33mm (max)

### APPLICATIONS

- High-Definition Multimedia Interface (HDMI)
- USB3.0
- Displays Digital Visual Interface (DVI)
- IEEE 1394 Firewire Ports
- Audio Lines, Speakers, Smart Phones
- Gigabit Ethernet
- LVDS

### BENEFITS

- Ultra-Small, Space Saving DFN0603 (0201) Package

Free samples available for immediate testing.  
Contact us at: 631-319-1858 or [inquiry@goodarksemi.com](mailto:inquiry@goodarksemi.com)

### RATINGS AND CHARACTERISTICS

Part Number	Electrical Characteristics ( T <sub>A</sub> = 25°C unless otherwise noted )							Maximum Ratings ( T <sub>A</sub> = 25°C )	
	Reverse Stand-off Voltage	Breakdown Voltage	Test Current	Reverse Leakage Current	Clamping Voltage	Peak Pulse Current (8*20µS)	Junction Capacitance @0V, 1MHz	P <sub>PK</sub> (8*20µS)	V <sub>ESD</sub> (Contact/Air)
	V <sub>RWM</sub>	V <sub>BR</sub> @ I <sub>T</sub>	I <sub>T</sub>	I <sub>R</sub> @ V <sub>RWM</sub>	V <sub>C</sub> @ I <sub>PP</sub>	I <sub>PP</sub>	C <sub>J</sub>	Max (W)	Max (kV)
Max (V)	Min (V)	(mA)	Typ (nA)	Max (V)	(A)	Typ (pF)			
GSES5VD0603-2B	5.0	5.6	1	5	12.0	6	15	70	30/30
GSES3V3D0603-2B	3.3	5.1	1	10	10.0	7	12	70	30/30
GSESLC5VD0603-2B	5.0	5.5	1	5	11.5	3.5	2.7	40	10/15
GSESUC5VD0603-2B	5.0	6.5	1	5	20.5	5	0.2	100	15/15

Also available in Uni-directional

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