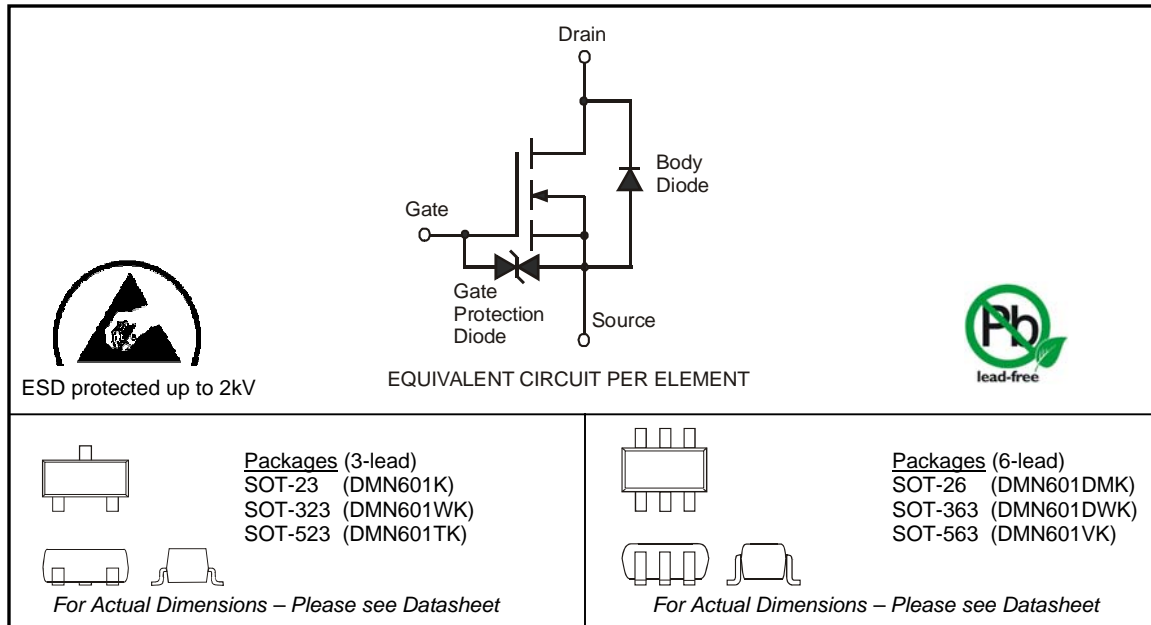


## Introducing a New Line of Small Signal ESD Protected N-Channel MOSFETs



### Benefits

- ❑ Built-In Protection from ESD up to 2000V.
- ❑ Single and Dual Configurations in various packages.
- ❑ Very Low On-Resistance.
- ❑ Matte Tin (Pb-free) Plated Terminals.
- ❑ RoHS Compliant.
- ❑ Lead Free By Design.

### Availability

- ❑ Samples *Now* Available
- ❑ Production Quantities stock to 6 weeks.
- ❑ Data Sheets Available **NOW** at: [www.diodes.com](http://www.diodes.com)

Enter selected part numbers into our website Product Data Sheet search field, or click:

**SOT-23: DMN601K**                      **SOT-26: DMN601DMK**  
**SOT-323: DMN601WK**                **SOT-363: DMN601DWK**  
**SOT-523: DMN601TK**                **SOT-563: DMN601VK**

## Key Features

1. Low On-Resistance,  $R_{DS(on)}$ :
  - $R_{DS(on)} \leq 2.0\Omega @ V_{GS} = 10V, I_D = 0.5A$
  - $R_{DS(on)} \leq 3.0\Omega @ V_{GS} = 5.0V, I_D = 0.05A$
2. Low Gate Threshold Voltage,  $V_{GS(th)}$ :
  - $V_{GS(th)} \leq 2.5V @ V_{DS} = 10V, I_D = 1mA$
3.  $V_{DSS} = 60V, I_D = 300mA$

## Applications

1. Level Shifting
2. Half H-Bridge
3. Load Switching
4. DC / DC Converters
5. Digital Control Circuitry

## End-Equipment Applications

- Set top box
- FAX machines
- Telephone systems
- High-speed modem systems
- Portable handheld electronics
- Battery operated systems
- Portable computers
- Digital still cameras
- Media players
- Cellular & cordless phones
- PCMCIA cards

## Crosses from Other Manufacturers' Parts

Diodes Inc. P/N	Package	Rohm	Vishay	On
<a href="#">DMN601K</a>	SOT-23	RK7002	2N7002K	2N7002L
<a href="#">DMN601WK</a>	SOT-323	RHU002N06	N/A	N/A
<a href="#">DMN601TK</a>	SOT-523	N/A	N/A	N/A
<a href="#">DMN601DMK</a>	SOT-26	SM6K2	N/A	N/A
<a href="#">DMN601DWK</a>	SOT-363	N/A	N/A	N/A
<a href="#">DMN601VK</a>	SOT-563	N/A	Si1026X	N/A