Small-signal MOSFETs in WLCSP package offer best-in-class $R_{DS(on)}$ to space ratio, offering space savings of up to 45%, compared to DFN1010 packages. An ideal solution for applications where small form factor is key and providing performance that is higher than equivalent parts in DFN packages. Available in both N-channel and P-channel, all parts are equipped with ESD protection of >2kV and with high power capability of >1300 mW.

**Features**
- Low $R_{DS(on)}$ down to 15 mΩ
- Best-in-class $R_{DS(on)}$ to space ratio
- Lowest $R_{DS(on)}$ per mm²
- Easy PCB Design
- ESD protection > 2 kV
- $I_D$ up to 9.6 A
- Low voltage drive ($V_{GS(th)} = 0.6$ V typ.)
- $V_{DS} = 12-20$ V; $V_{GS} = 8$ V
- Available in both N-channel and P-channel

**Typical applications**
- Wearables
- E-Cigarettes
- Mobile Accessories
- Hearing Aids
- ID Cards
- Computing Accessories
- Battery Polarity
- Load switching for portable devices
- Battery switch
- LED driver

**Small form factor**

![Small form factor images]

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## Product range

<table>
<thead>
<tr>
<th>Pol</th>
<th>$V_{DS}$ (V)</th>
<th>$V_{GS}$ (V)</th>
<th>$I_D$ (A)</th>
<th>$V_{GDS}$ Min (V)</th>
<th>$V_{GDS}$ Max (V)</th>
<th>ESD Protection (kV)</th>
<th>$R_{DSON,typ}$ (mΩ) @ $V_{GS}$</th>
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