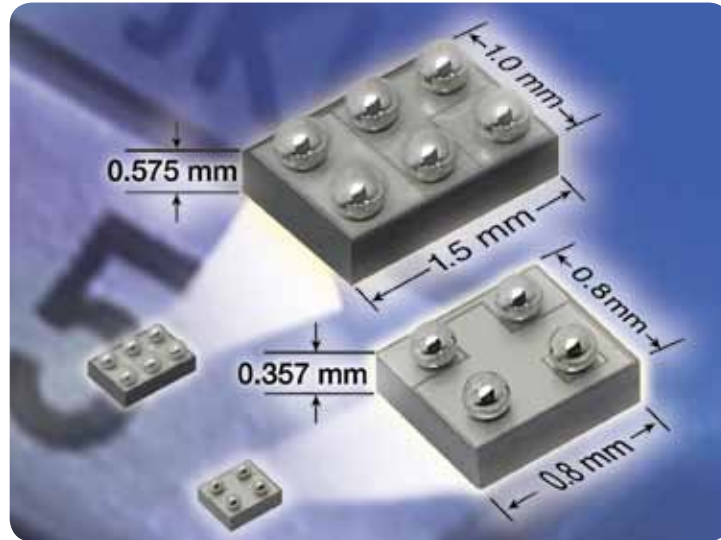


## World's Smallest Chipscale MOSFETs



### KEY BENEFITS

- Smallest MOSFET footprints of 0.8 mm x 0.8 mm, 1 mm x 1 mm, 1.2 mm x 1 mm, and 1.5 mm x 1 mm
- Small heights, down to 0.357 mm
- Low on-resistance
- Low on-resistance ratings down to  $V_{GS} = 1.2$  V help reduce power consumption and increase battery usage time

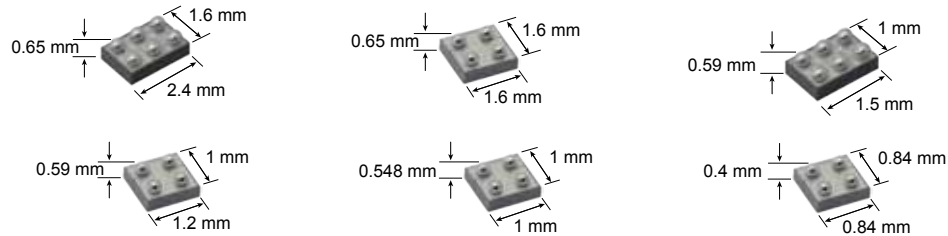
### APPLICATIONS

- Load switching in portable devices such as smart phones, tablet PCs, MP3 players, and digital cameras

### RESOURCES

- Datasheets: <http://www.vishay.com/mosfets/micro-foot-package/>
- More featured products: <http://www.vishay.com/landingpage/tradeshows/powermanagement/2011/mosfets.html>
- For technical questions contact: [pmstechsupport@vishay.com](mailto:pmstechsupport@vishay.com)



**Maximum Dimensions**


PART NUMBER	MICRO FOOT® PACKAGE (mm X mm)	PITCH (mm)	MAX HEIGHT (mm)	V <sub>DS</sub> (V)	V <sub>GS</sub> (V)	R <sub>DS(on)</sub> (Ω)					SAMPLES
						V <sub>GS</sub> = 4.5 V	V <sub>GS</sub> = 2.5 V	V <sub>GS</sub> = 1.8 V	V <sub>GS</sub> = 1.5 V	V <sub>GS</sub> = 1.2 V	
<b>Single N-Channel</b>											
<a href="#">Si8424DB</a>	1.6 x 1.6	0.8	0.65	8	5	0.031	0.033	0.035	0.043	0.077	Available
<a href="#">Si8402DB</a>	1.6 x 1.6	0.8	0.65	20	8	0.037	0.039	0.043			Available
<a href="#">Si8416DB</a>	1.5 x 1	0.5	0.59	8	5	0.023	0.025	0.03	0.04	0.095	Available
<a href="#">Si8472DB</a>	1 x 1	0.5	0.548	20	8	0.044	0.05	0.056	0.07		Available
<a href="#">Si8802DB</a>	0.8 x 0.8	0.4		8	5	0.054	0.06	0.068	0.086	0.135	Available
<a href="#">Si8800EDB</a>	0.8 x 0.8	0.4		20	8	0.08	0.09	0.105	0.15		Available
<b>Single P-Channel</b>											
<a href="#">Si8407DB</a>	2.4 x 1.6	0.8	0.65	-20	8	0.027	0.032	0.045			Available
<a href="#">Si8429DB</a>	1.6 x 1.6	0.8	0.65	-8	5	0.035	0.042	0.052	0.069	0.098	Available
<a href="#">Si8415DB</a>	1.6 x 1.6	0.8	0.65	-12	8	0.037	0.046	0.06			Available
<a href="#">Si8473EDB</a>	1.6 x 1.6	0.8	0.65	-20	12	0.041	0.055				Available
<a href="#">Si8413DB</a>	1.6 x 1.6	0.8	0.65	-20	12	0.048	0.063				Available
<a href="#">Si8487DB</a>	1.6 x 1.6	0.8	0.65	-30	12	0.035	0.045				Available
<a href="#">Si8409DB</a>	1.6 x 1.6	0.8	0.65	-30	12	0.046	0.065				Available
<a href="#">Si8483DB</a>	1.5 x 1	0.5	0.59	-12	8	0.026	0.035	0.055	0.092		Available
<a href="#">Si8499DB</a>	1.5 x 1	0.5	0.59	-20	12	0.032	0.046	0.12			Available
<a href="#">Si8497DB</a>	1.5 x 1	0.5	0.59	-30	12	0.053	0.071				Available
<a href="#">Si8469DB</a>	1 x 1	0.5	0.548	-8	5	0.064	0.076		0.115	0.18	Available
<a href="#">Si8467DB</a>	1 x 1	0.5	0.548	-20	12	0.073	0.125				Available
<a href="#">Si8461DB</a>	1 x 1	0.5	0.548	-20	8	0.1	0.118	0.14	0.205		Available
<a href="#">Si8805EDB</a>	0.8 x 0.8	0.4	0.4	-8	5	0.068	0.088		0.155	0.29	Available
<a href="#">Si8809EDB</a>	0.8 x 0.8	0.4	0.4	-20	8	0.09	0.119	0.155			Available
<b>Common Drain N-Channel</b>											
<a href="#">Si8902EDB</a>	2.4 x 1.6	0.8	0.65	20	12	0.0225	0.0285	0.036			Available
<b>Common Drain P-Channel</b>											
<a href="#">Si8901EDB</a>	2.4 x 1.6	0.8	0.65	-20	12	0.03	0.04	0.0525			Available

 For the most recent list of devices, visit <http://www.vishay.com/mosfets/micro-foot-package/>