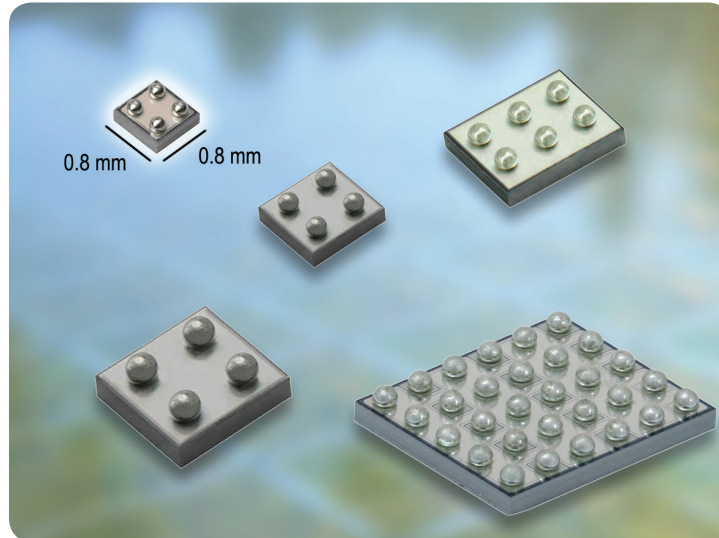


Extremely Small Chipscale MOSFETs



KEY BENEFITS

- Small MOSFET footprints of 0.8 mm x 0.8 mm, 1 mm x 1 mm, 1.2 mm x 1 mm, 1.5 mm x 1 mm, and 2.4 mm x 2 mm
- Small heights, down to 0.4 mm max
- Low on-resistance and on-resistance per area
 - Longer battery usage
 - Lower voltage drop at peak current prevents false trigger of UVLO
- Low on-resistance ratings down to $V_{GS} = 1.2$ V help reduce power consumption and increase battery usage time
- Built-in ESD on selective devices

APPLICATIONS

- Load switching in portable devices such as smart phones, tablet PCs, mobile computing, MP3 players, and digital cameras
- Battery charge switch and battery management

RESOURCES

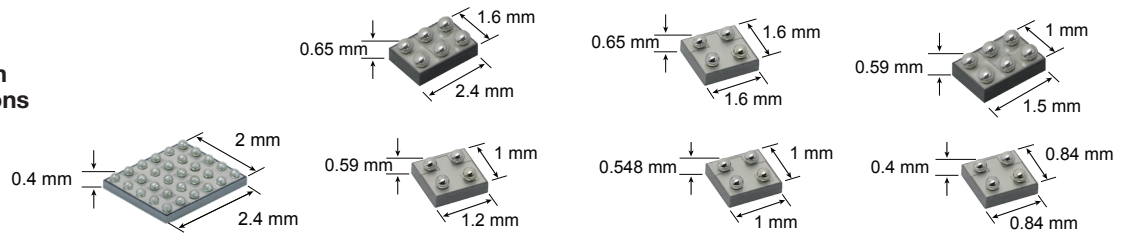
- Datasheets: <http://www.vishay.com/mosfets/micro-foot-package/>
- More featured products: <http://www.vishay.com/landingpage/tradeshows/powermanagement/2011/mosfets.html>
- For technical questions contact: pmostechsupport@vishay.com



POWER MOSFETs

MICRO FOOT®

Maximum Dimensions



Part Number	MICRO FOOT® Package (mm x mm)	Pitch (mm)	Max Height (mm)	V _{DS} (V)	V _{GS} (V)	R _{DS (ON)} (Ω)					Samples
						V _{GS} = 4.5V	V _{GS} = 2.5V	V _{GS} = 1.8V	V _{GS} = 1.5V	V _{GS} = 1.2V	
Single N-Channel											
Si8424CDB	1.6 x 1.6	0.8	0.65	8	5	0.02	0.021	0.023	0.028	0.045	Available
Si8416DB	1.5 x 1	0.5	0.59	8	5	0.023	0.025	0.03	0.04	0.095	Available
Si8406DB		0.5	0.59	20	8	0.033	0.037	0.042			Available
Si8466EDB	1 x 1	0.5	0.548	8	5	0.043	0.046		0.06	0.09	Available
Si8472DB		0.5	0.548	20	8	0.044	0.05	0.056	0.07		Available
Si8802DB	0.8 x 0.8	0.4	0.4	8	5	0.054	0.06	0.068	0.086	0.135	Available
Si8812DB		0.4	0.4	20	8	0.059	0.065	0.085			Available
Si8810EDB		0.4	0.4	20	8	0.072	0.079	0.092	0.125		Available
Si8800EDB		0.4	0.4	20	8	0.08	0.09	0.105	0.15		Available
Si8808DB		0.4	0.4	30	8	0.095	0.105	0.12	0.165		Available
Si8816EDB		0.4	0.4	30	12	0.116	0.142				Available
Single P-Channel											
Si8851EDB	2.4 x 2	0.4	0.402	-20	8	0.008	0.011	0.0185			Available
Si8439DB	1.6 x 1.6	0.8	0.65	-8	5	0.025	0.03	0.037	0.061	0.125	Available
Si8425DB		0.8	0.65	-20	10	0.023	0.027	0.04			Available
Si8487DB		0.8	0.65	-30	12	0.035	0.045				Available
Si8483DB	1.5 x 1	0.5	0.59	-12	10	0.026	0.035	0.055	0.092		Available
Si8499DB		0.5	0.59	-20	12	0.032	0.046	0.12			Available
Si8497DB		0.5	0.59	-30	12	0.053	0.071				Available
Si8469DB	1 x 1	0.5	0.548	-8	5	0.064	0.076		0.115	0.18	Available
Si8489EDB		0.5	0.548	-20	12	0.054	0.082				Available
Si8461DB		0.5	0.548	-20	8	0.1	0.118	0.14	0.205		Available
Si8805EDB	0.8 x 0.8	0.4	0.4	-8	5	0.068	0.088		0.155	0.29	Available
Si8817DB		0.4	0.4	-20	8	0.076	0.1	0.145	0.32		Available
Si8821EDB		0.4	0.4	-30	12	0.128	0.215				Available
Common Drain N-Channel											
Si8902AEDB	2.4 x 1.6	0.8	0.65	24	12	0.014	0.0155	0.0185			Available

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