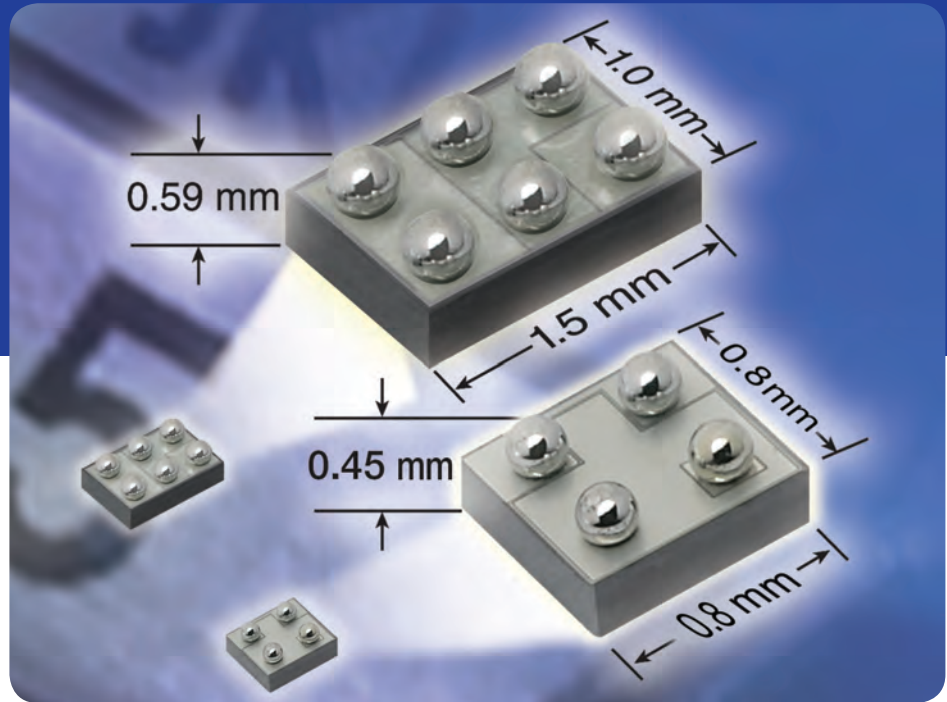




POWER MOSFETs

MICRO FOOT[®]



World's Smallest MOSFETs

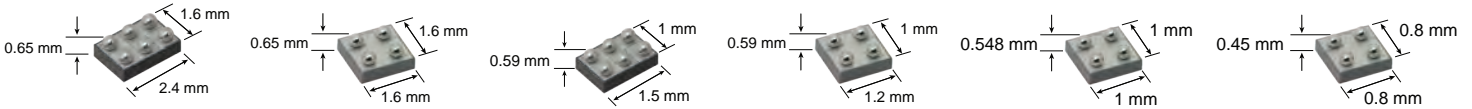
Industry's Lowest On-Resistance for Chipscale MOSFETs

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 0.4 mm
- Lowest on-resistance for chipscale MOSFETs
- Low on-resistance ratings help reduce power consumption and increase battery usage time

APPLICATIONS

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



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} = 4.5 V	V _{GS} = 2.5 V	V _{GS} = 1.8 V	V _{GS} = 1.5 V	V _{GS} = 1.2 V	
Single N-Channel											
Si8424DB	1.6 x 1.6	0.8	0.65	8	5	0.03	0.03	0.04	0.04	0.08	Available
Si8802DB*	0.84 x 0.84	0.4	0.4	8	5	0.06	0.08	0.1	0.13	0.53	Available
Si8402DB	1.6 x 1.6	0.8	0.65	20	8	0.04	0.04	0.04			Available
Si8800EDB	0.8 x 0.8	0.4	0.45	20	8	0.08	0.09	0.11	0.15		Available
Single P-Channel											
Si8429DB	1.6 x 1.6	0.8	0.65	- 8	5	0.04	0.04	0.05	0.07	0.1	Available
Si8415DB	1.6 x 1.6	0.8	0.65	- 12	8	0.04	0.05	0.06			Available
Si8407DB	2.4 x 1.6	0.8	0.65	- 20	8	0.03	0.03	0.05			Available
Si8499DB	1.5 x 1	0.5	0.59	- 20	12	0.03	0.05	0.12			Available
Si8475EDB	1.6 x 1.6	0.8	0.65	- 20	12	0.03	0.05				Available
Si8473EDB	1.6 x 1.6	0.8	0.65	- 20	12	0.04	0.06				Available
Si8413DB	1.6 x 1.6	0.8	0.65	- 20	12	0.05	0.06				Available
Si8401DB	1.6 x 1.6	0.8	0.65	- 20	12	0.07	0.1				Available
Si8467DB	1 x 1	0.5	0.55	- 20	12	0.07	0.13				Available
Si8447DB	1.5 x 1	0.5	0.59	- 20	12	0.08	0.11	0.26			Available
Si8451DB	1.5 x 1	0.5	0.59	- 20	8	0.08	0.1	0.13	0.2		Available
Si8445DB	1.2 x 1	0.5	0.59	- 20	5	0.08	0.1	0.12	0.16	0.5	Available
Si8461DB	1 x 1	0.5	0.55	- 20	8	0.1	0.12	0.14	0.21		Available
Si8465DB	1 x 1	0.5	0.55	- 20	12	0.1	0.15				Available
Si8409DB	1.6 x 1.6	0.8	0.65	- 30	12	0.05	0.07				Available
Common Drain											
Si8902EDB	2.4 x 1.6	0.8	0.65	20	12	0.02	0.03	0.04			Available
Si8901EDB	2.4 x 1.6	0.8	0.65	- 20	12	0.03	0.04	0.05			Available

* Target specifications

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

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