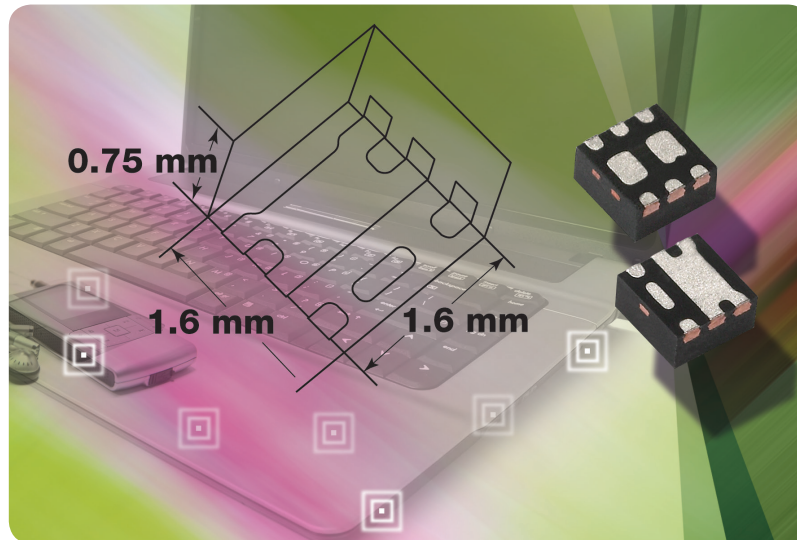


## Ultra-Low On-Resistance, and Ultra-Small Size



### KEY FEATURES

- PowerPAK® SC-75 provides same tiny 1.6 mm x 1.6 mm footprint as standard SC-75, but with much lower on-resistance
  - N-channel  $R_{DS(on)}$  as low as 0.019  $\Omega$
  - P-channel  $R_{DS(on)}$  as low as 0.0255  $\Omega$
- Ultra-thin profile, down to 0.6 mm
- Single and dual n- and p-channel versions available, including devices with on-resistance ratings down to 1.2 V and ESD protection
- Gives designers ultra-low on-resistance and ultra-small size in one device for saving power in space-constrained handheld applications
- 100 % lead (Pb)-free, halogen-free, and RoHS-compliant, meeting the demands of international legislation for elimination of hazardous substances

### APPLICATIONS

- Load switching in notebook and netbook computers as well as cellular phones, tablets, mobile computing, digital cameras, MP3 players, and smart phones

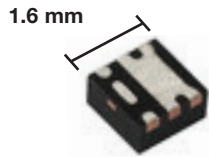
### RESOURCES

- Datasheets: [www.vishay.com/mosfets/powerpak-sc-75-package/](http://www.vishay.com/mosfets/powerpak-sc-75-package/)
- For technical questions contact: [pmostechsupport@vishay.com](mailto:pmostechsupport@vishay.com)
- More featured products: [www.vishay.com/landingpage/tradeshows/powermanagement/2011/mosfets.html](http://www.vishay.com/landingpage/tradeshows/powermanagement/2011/mosfets.html)



## POWER MOSFETs

## PowerPAK® SC-75



	PowerPAK SC-75	Thin PowerPAK SC-75
Maximum Length (mm)	1.7	1.7
Maximum Width (mm)	1.7	1.7
Maximum Footprint Area (mm <sup>2</sup> )	2.89	2.89
Maximum Height (mm)	0.8	0.65



Single

Dual

Part Number	V <sub>DS</sub> (V)	V <sub>GS</sub> (V)	R <sub>DS(ON)</sub> (Ω)						Samples
			V <sub>GS</sub> = 10 V	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="#">SiB404DK</a>	12	5		0.019	0.022	0.026		0.065	Available
<a href="#">SiB488DK</a>	12	8		0.02	0.024	0.029			Available
<a href="#">SiB422EDK</a>	20	8		0.03	0.041	0.057	0.082		Available
<a href="#">SiB406EDK</a>	20	12		0.046	0.063				Available
<a href="#">SiB410DK</a>	30	8		0.042	0.046	0.052			Available
<a href="#">SiB408DK</a>	30	20	0.04	0.05					Available
<a href="#">SiB456DK</a>	100	20	0.185	0.310					Available
<a href="#">SiB452DK</a>	190	16		2.4	2.6	6			Available
<b>SINGLE P-CHANNEL</b>									
<a href="#">SiB417AEDK</a>	- 8	5		0.032	0.045	0.063	0.120	0.230	Available
<a href="#">SiB437EDKT*</a>	- 8	5		0.034		0.063	0.084	0.18	Available
<a href="#">SiB441EDK</a>	- 12	8		0.0255	0.036	0.06	0.115		Available
<a href="#">SiB457EDK</a>	- 20	8		0.035	0.049	0.072	0.13		Available
<a href="#">SiB433EDK</a>	- 20	8		0.058	0.077	0.105			Available
<b>DUAL N-CHANNEL</b>									
<a href="#">SiB914DK</a>	8	5		0.113	0.138	0.19	0.28	0.48	Available
<a href="#">SiB912DK</a>	20	8		0.216	0.268	0.375			Available

\* Thin PowerPAK SC-75

For the latest list of devices visit <http://www.vishay.com/mosfets/powerpak-sc-75-package/>