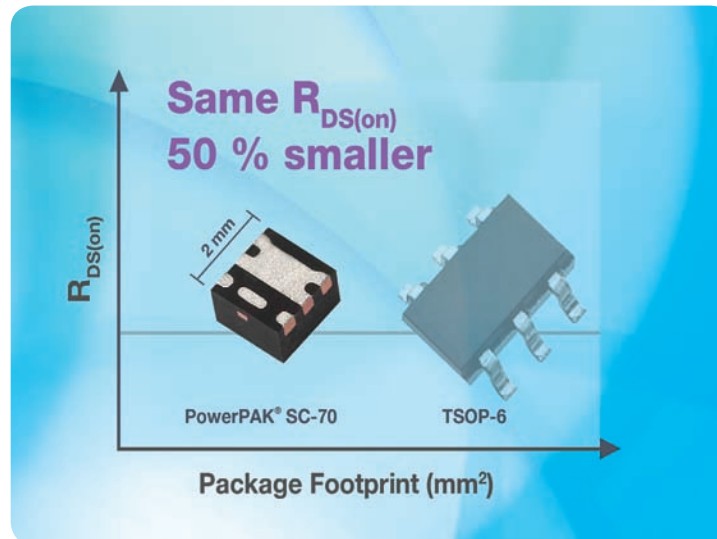


Half the Size of TSOP-6 Without Compromising On-Resistance



KEY BENEFITS

- 2 mm x 2 mm footprint area is 50 % of TSOP-6 with comparable on-resistance: n-channel down to 9.4 m Ω , p-channel down to 16 m Ω
- Low 0.6 mm profile is 40 % smaller than TSOP-6
- 75 % higher maximum power dissipation
- Single, dual, Schottky, and N and P pair configurations
- Includes devices with on-resistance ratings down to $V_{GS} = 1.2$ V; ESD protection
- 100 % lead (Pb)-free, halogen-free, and RoHS-compliant, meeting the demands of international legislation for elimination of hazardous substances

APPLICATIONS

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

RESOURCES

- Datasheets: <http://www.vishay.com/mosfets/powerpak-sc-70-package/>
- For technical questions contact: pmstechsupport@vishay.com
- More featured products: <http://www.vishay.com/landingpage/tradeshows/powermanagement/2011/mosfets.html>



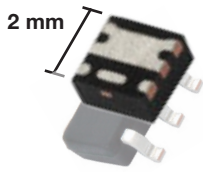


POWER MOSFETs

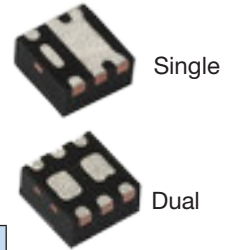
PowerPAK® SC-70



MOSFETs - Small 2 mm x 2 mm Size and Low On-resistance



	TSOP-6	PowerPAK SC-70	Thin PowerPAK SC-70 ^a
Max. Length (mm)	3.1	2.15	
Max. Width (mm)	3	2.15	
Max. Footprint Area (mm ²)	9.3	4.62	
Max. Height (mm)	1.1	0.8	0.65



PART NUMBER	V _{DS} (V)	V _{GS} (V)	R _{DS(ON)} (Ω)						SAMPLES
			V _{GS} = 10V	V _{GS} = 4.5V	V _{GS} = 2.5V	V _{GS} = 1.8V	V _{GS} = 1.5V	V _{GS} = 1.2V	
SINGLE N-CHANNEL									
SiA436DJ	8	5		0.0094	0.0105	0.0125	0.018	0.036	Available
SiA430DJ	20	20	0.0135	0.0185					Available
SiA400EDJ	30	12		0.019	0.025				Available
SiA444DJT*	30	20	0.017	0.022					Available
SiA432DJ	30	20	0.02	0.024					Available
SiA456DJ	200	16		1.38	1.5	3.5			Available
SiA450DJ	240	20	2.9	2.95	3.5				Available
SINGLE P-CHANNEL									
SiA427DJ	-8	5		0.016	0.0215	0.026	0.032	0.095	Available
SiA447DJ	-12	8		0.0135	0.0194	0.0344	0.071		Available
SiA413DJ	-12	8		0.029	0.034	0.044	0.1		Available
SiA445EDJ	-20	12		0.0165	0.03				Available
SiA433EDJ	-20	12		0.018	0.026	0.065			Available
SiA429DJT*	-20	8		0.0205	0.027	0.036	0.06		Available
SiA431DJ	-20	8		0.025	0.031	0.041	0.07		Available
SiA415DJ	-20	12		0.035	0.051				Available
SiA425EDJ	-20	12		0.06	0.08	0.12			Available
SiA421DJ	-30	20	0.035	0.056					Available
SiA441DJ	-40	20	0.047	0.065					Available
SINGLE N-CHANNEL PLUS INTEGRATED SCHOTTKY									
SiA814DJ	30	12	0.061	0.072	0.11				Available
SINGLE P-CHANNEL PLUS INTEGRATED SCHOTTKY									
SiA811ADJ	-20	8		0.116	0.155	0.205			Available
DUAL N-CHANNEL									
SiA920DJ	8	5		0.027	0.031	0.036	0.047	0.11	Available
SiA910EDJ	12	8		0.028	0.033	0.042			Available
SiA906EDJ	20	12		0.046	0.063				Available
DUAL P-CHANNEL									
SiA975DJ	-12	8		0.041	0.06	0.11			Available
SiA913ADJ	-12	8		0.061	0.081	0.115			Available
SiA923EDJ	-20	8		0.054	0.07	0.104	0.165		Available
SiA907EDJT*	-20	12		0.057	0.095				Available
SiA921EDJ	-20	12		0.059	0.098				Available
SiA911ADJ	-20	8		0.116	0.155	0.205			Available
SiA929DJ	-30	12	0.064	0.078	0.12				Available
SiA915DJ	-30	20	0.087	0.145					Available
N & P PAIR									
SiA517DJ	12	8		0.029	0.034	0.044	0.065		Available
	-12	8		0.061	0.081	0.115	0.17		
SiA533EDJ	12	8		0.034	0.04	0.05	0.07		Available
	-12	8		0.059	0.081	0.115	0.215		

* Thin PowerPAK SC-70

For a full and latest list of devices, visit <http://www.vishay.com/mosfets/powerpak-sc-70-package/>