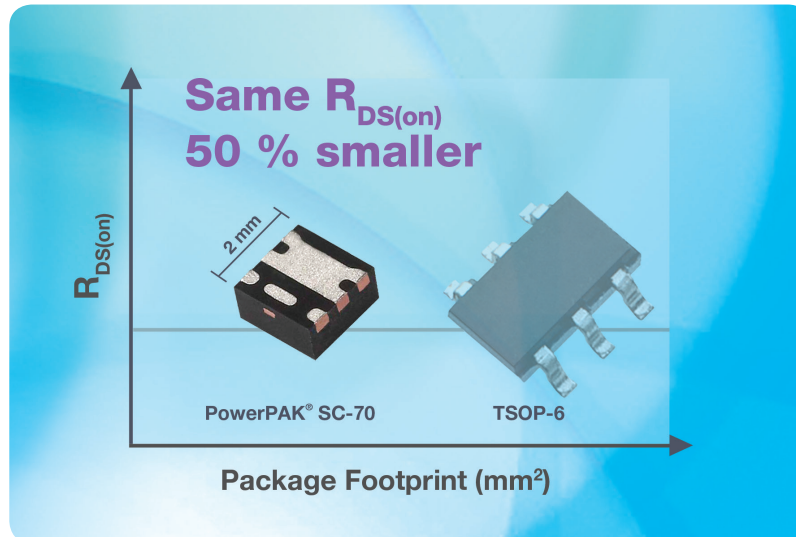


Half the Size of TSOP-6 Without Compromising On-Resistance



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 13.5 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

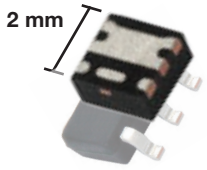
RESOURCES

- 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>

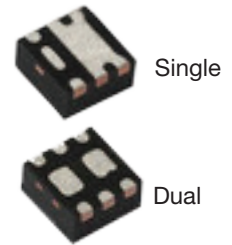


POWER MOSFETs

PowerPAK® SC-70



	TSOP-6	PowerPAK SC-70	Thin PowerPAK SC-70
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
SiA448DJ	20	8		0.0150	0.0166	0.02	0.0324		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
SiA440DJ	40	12	0.026	0.028	0.035				Available
SiA416DJ	100	20	0.083	0.13					Available
SiA446DJ	150	20	0.177						Available
SiA456DJ	200	16		1.38	1.5	3.5			Available
SINGLE P-CHANNEL									
SiA427ADJ	-8	5		0.016	0.0215	0.026	0.032	0.095	Available
SiA467EDJ	-12	8		0.013	0.0195	0.04			Available
SiA447DJ	-12	8	0.0135	0.0194	0.0344	0.071			Available
SiA477EDJ	-12	8		0.014	0.019	0.033			Available
SiA437ADJ	-20	8		0.0145	0.0205	0.033	0.065		Available
SiA445EDJ	-20	12		0.0165	0.03				Available
SiA433EDJ	-20	12		0.018	0.026	0.065			Available
SiA453EDJ	-30	12	0.0185	0.0235	0.0377				Available
SiA483DJ	-30	20	0.021	0.03					Available
SiA441DJ	-40	20	0.047	0.065					Available
SINGLE P-CHANNEL PLUS INTEGRATED SCHOTTKY									
SiA811ADJ	-20	8		0.116	0.155	0.205			Available
SiA817EDJ	-30	12	0.065	0.08	0.125				Available
DUAL N-CHANNEL									
SiA920DJ	8	5		0.027	0.031	0.036	0.047	0.11	Available
SiA936EDJ	20	12		0.034	0.045				Available
SiA914ADJ	20	8		0.043	0.05	0.063			Available
SiA922EDJ	30	12		0.064	0.08				Available
DUAL P-CHANNEL									
SiA975DJ	-12	8		0.041	0.06	0.11			Available
SiA923AEDJ	-20	8		0.054	0.07	0.104	0.165		Available
SiA907EDJT*	-20	12		0.057	0.095				Available
SiA929DJ	-30	12	0.064	0.078	0.12				Available
SiA931DJ	-30	20	0.065	0.1					Available
N & P PAIR									
SiA527DJ	12	8		0.029	0.034	0.044	0.065		Available
	-12	8		0.041	0.06	0.11	0.174		
SiA537EDJ	12	8		0.028	0.033	0.042			Available
	-12	8		0.054	0.07	0.104	0.165		
SiA519EDJ	20	12		0.04	0.065				Available
	-20	12		0.09	0.137				

* Thin PowerPAK SC-70

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