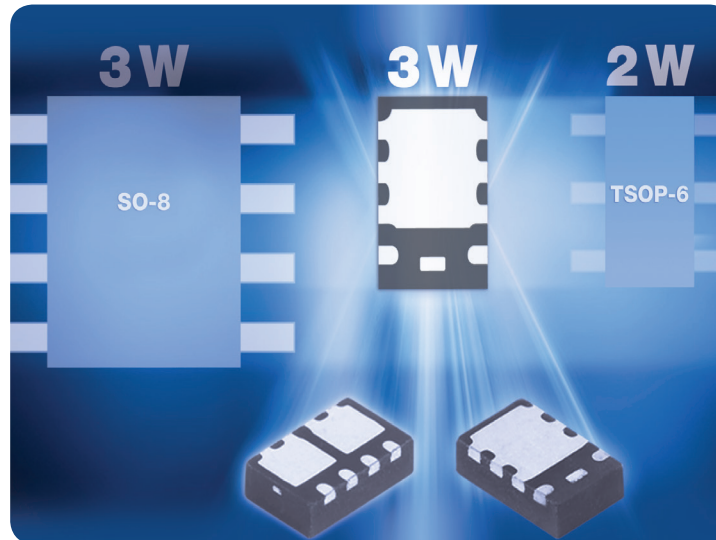


Replace TSOP-6 and SO-8 MOSFETs for Lower Thermal Resistance and Smaller Footprints



KEY BENEFITS

- Advanced thermal performance in a compact 3 mm by 1.8 mm footprint
- 3 W maximum power dissipation for high thermal efficiency
- Available in single, dual, co-packaged n- and p-channel, and MOSFET plus Schottky versions
- Breakdown voltage ratings from 12 V to 30 V for p-channel and 20 V to 60 V for n-channel

APPLICATIONS

N-Channel

- Point-of-load, synchronous rectification and logic-level DC/DC applications for low-power computer and fixed telecom systems
- Load switches in portable electronic systems and notebook PCs

P-Channel

- Load, charger, and battery switching in portable systems

P-Channel plus Schottky

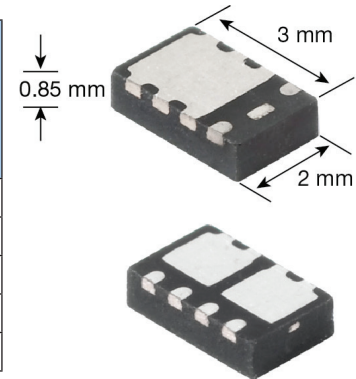
- Charger switch
- Asynchronous DC/DC in applications such as hard disk drives and game consoles

RESOURCES:

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

PowerPAK ChipFET

	SO-8	PowerPAK ChipFET	TSOP-6
Max Length (mm)	5	3	3
Max Width (mm)	6	2	3
Max Footprint Area (mm ²)	31	6	9
Maximum Height (mm)	1.75	0.85	1.1
Maximum Power Dissipation (W)	3	3	2



Part Number	V _{DS} (V)	V _{GS} (V)	R _{DS(ON)} (Ω)				Q _g (nC)		Samples
			V _{GS} = 10 V	V _{GS} = 4.5 V	V _{GS} = 2.5 V	V _{GS} = 1.8 V	V _{GS} = 10 V	V _{GS} = 4.5 V	
SINGLE N-CHANNEL									
Si5442DU	20	8		0.01	0.0115	0.0135		16.6	Available
Si5486DU	20	8		0.015	0.017	0.021		21	Available
Si5446DU	30	20	0.0064	0.0085			19.7	8.8	Available
Si5418DU	30	20	0.0145	0.0185			20	9.5	Available
Si5458DU	30	20	0.041	0.051			6	2.8	Available
Si5410DU	40	20	0.018	0.021			21	10	Available
Si5476DU	60	20	0.034	0.041			21	10.5	Available
SINGLE P-CHANNEL									
Si5411EDU	-12	8		0.0082	0.0117	0.0206		43	Available
Si5415AEDU	-20	8		0.0096	0.0132	0.022		43	Available
Si5459DU	-20	12		0.052	0.082		17	8	Available
Si5429DU	-30	20	0.015	0.022			42	20	Available
Si5419DU	-30	20	0.02	0.033			30	15.5	Available
DUAL N-CHANNEL									
Si5936DU	30	20	0.03	0.04			7	3.5	Available
Si5944DU	40	20	0.112	0.171			4.4	2.2	Available
DUAL P-CHANNEL									
Si5999EDU	-20	12		0.059	0.096		13.2	6.9	Available
Si5997DU	-30	20	0.054	0.088			9.5	4.8	Available
N & P PAIR									
Si5517DU	20	8		0.039	0.045	0.055		6	Available
	-20	8		0.072	0.1	0.131		5.5	

For the latest list of devices visit <http://www.vishay.com/mosfets/powerpack-chipfet-package/>