



POWER MOSFETs

1.2 V Rated MOSFETs

Industry's First Load Switches Designed for On-Resistance Ratings at 1.2 V



KEY BENEFITS

- Optimized for use with the low-voltage core ICs in portable electronics systems
- Allow the driver voltage to turn on the switch lower than 1.5 V, reducing the need for level shift circuitry
- Low on-resistance ratings and level shift elimination help reduce power consumption and increase battery usage time
- Single n- and p-channel device options
- Choice of on-resistance and package options with footprints as small as 0.8 mm x 0.8 mm

APPLICATIONS

- Load, power amplifier, and battery charger switching in cell phones, MP3 players, digital cameras, and other portable systems

RESOURCES

- Datasheet: www.vishay.com/mosfets/12-rated-on-res/
- For technical questions contact pMos.techsupport@vishay.com
- More featured products: www.vishay.com/landingpage/tradeshows/powermanagement/2011/mosfets.html

MOSFETs - On-Resistance Ratings at V_{GS} = 1.2 V

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components

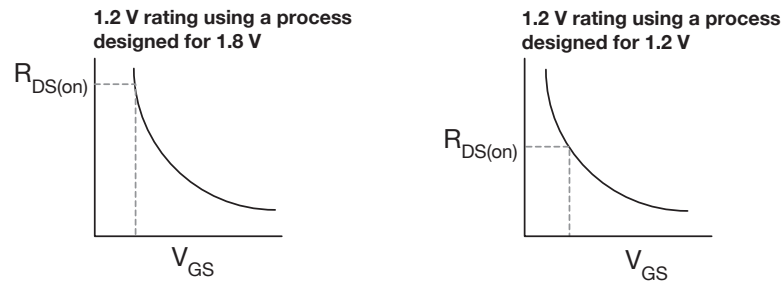




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Power MOSFETs with On-Resistance Ratings at $V_{GS} = 1.2 V$



PART NUMBER	PACKAGE	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									
Si2342DS	SOT-23	8	5	0.017	0.02	0.022	0.03	0.075	Available
SiA436DJ	PowerPAK [®] SC-70	8	5	0.0094	0.0105	0.0125	0.018	0.036	Available
SiB404DK	PowerPAK SC-75	12	5	0.019	0.022	0.026		0.065	Available
Si8424CDB	MICRO FOOT 1.6 x 1.6	8	5	0.02	0.021	0.023	0.028	0.045	Available
Si8416DB	MICRO FOOT [®] 1.5 x 1	8	5	0.023	0.025	0.03	0.04	0.095	Available
Si8466EDB	MICRO FOOT 1 x 1	8	5	0.043	0.046		0.06	0.09	Available
Si8802DB	MICRO FOOT 0.8 x 0.8	8	5	0.054	0.06	0.068	0.086	0.135	Available
SINGLE P-CHANNEL									
Si2329DS	SOT-23	-8	5	0.03	0.036	0.048	0.068	0.12	Available
Si1489EDH	SC70-6	-8	5	0.048	0.059	0.073	0.097	0.19	Available
SiA427ADJ	PowerPAK SC-70	-8	5	0.016	0.0215	0.026	0.032	0.095	Available
SiB417AEDK	PowerPAK SC-75	-8	5	0.032	0.045	0.063	0.12	0.23	Available
SiB437EDKT	Thin PowerPAK SC-75	-8	5	0.034		0.063	0.084	0.18	Available
Si1011X	SC-89	-12	5	0.64	0.88	1.2	1.443	2.475	Available
Si8439DB	MICRO FOOT 1.6 x 1.6	-8	5	0.025	0.03	0.037	0.061	0.125	Available
Si8469DB	MICRO FOOT 1 x 1	-8	5	0.064	0.076		0.115	0.18	Available
Si8805EDB	MICRO FOOT 0.8 x 0.8	-8	5	0.068	0.088		0.155	0.29	Available
DUAL N-CHANNEL									
SiA920DJ	PowerPAK SC-70	8	5	0.027	0.031	0.036	0.047	0.11	Available
SiB914DK	PowerPAK SC-75	8	5	0.113	0.138	0.19	0.28	0.48	Available

For the latest list of devices with a 1.2 V rating, see www.vishay.com/mosfets/12-rated-on-res/

Vishay also has devices with V_{GS} ratings down to 1.5 V, see www.vishay.com/mosfets/15-rated-on-res/