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Suggested Power MOSFET Switches for Hot-Swap Controller ICs

Nov-99

N-Channel

Part Number	Manufacturer	V(BR) _{DSS}	R _{DS(on)} @ V _{GS} =10V	I _D cont. @ 25°C	Package
IRF7603	Int. Rectifier	30V	35 milliohms max	4.5A	Micro-8
IRF7413	Int. Rectifier	30V	11 milliohms max	9.2A	SO-8
IRL3803S	Int. Rectifier	30V	6 milliohms max	140A	D2PAK
IRFR110	Int. Rectifier	100V	540 milliohms max	4.3A	DPAK
IRFR120	Int. Rectifier	100V	270 milliohms max	7.7A	DPAK
IRFR120N	Int. Rectifier	100V	210 milliohms max	9.1A	DPAK
IRF3710S	Int. Rectifier	100V	25 milliohms max	57A	D2PAK
RFD20N03SM	Intersil	30V	25 milliohms max	20A	DPAK
HUF76129D3S	Intersil	30V	16 milliohms max	20A	DPAK
RF1S70N03SM	Intersil	30V	10 milliohms max	70A	D2PAK
HUF76143S3S	Intersil	30V	5.5 milliohms max	75A	D2PAK
HUF76145S3S	Intersil	30V	4.5 milliohms max	75A	D2PAK
HUF75631SK8	Intersil	100V	39 milliohms max	5.5A	SO-8
HUF75637S3S	Intersil	100V	30 milliohms max	44A	D2PAK
IXFX180N10	IXYS	100V	8 milliohms max	180A	TO-247
MTSF3N03HD	Motorola	30V	40 milliohms max	3A	Micro-8
MMSF7N03HD	Motorola	30V	28 milliohms max	8A	SO-8
MTD20N03HDL2	Motorola	30V	35 milliohms max	20A	DPAK
MTD6N10E	Motorola	100V	400 milliohms max	6A	DPAK
MTD9N10E	Motorola	100V	250 milliohms max	9A	DPAK
Si6434DQ	Vishay Siliconix	30V	28 milliohms max	5.6A	TSSOP-8
Si6410DQ	Vishay Siliconix	30V	14 milliohms max	7.8A	TSSOP-8
Si4412DY	Vishay Siliconix	30V	28 milliohms max	7A	SO-8
Si4416DY	Vishay Siliconix	30V	18 milliohms max	9A	SO-8
Si4482DY	Vishay Siliconix	100V	60 milliohms max	4.6A	SO-8

P-Channel

Part Number	Manufacturer	V(BR) _{DSS}	R _{DS(on)} @ V _{GS} =10V	I _D cont. @ 25°C	Package
IRF7606	Int. Rectifier	-30V	90 milliohms max	2.9A	Micro-8
IRF7416	Int. Rectifier	-30V	20 milliohms max	7.1A	SO-8
MTSF2P03HD	Motorola	-30V	90 milliohms max	2.4A	Micro-8
MMSF3P02HD	Motorola	-20V	75 milliohms max	3A	SO-8
MTD20P03HDL2	Motorola	-30V	99 milliohms max	19A	DPAK
MTD6P10E	Motorola	-100V	660 milliohms max	6A	DPAK
Si6435DQ	Vishay Siliconix	-30V	90 milliohms max	4.5A	TSSOP-8
Si6415DQ	Vishay Siliconix	-30V	19 milliohms max	6.5A	TSSOP-8
Si4431DY	Vishay Siliconix	-30V	40 milliohms max	5.8A	SO-8
Si4435DY	Vishay Siliconix	-30V	20 milliohms max	8A	SO-8