

# Super J-MOS™ 600V series

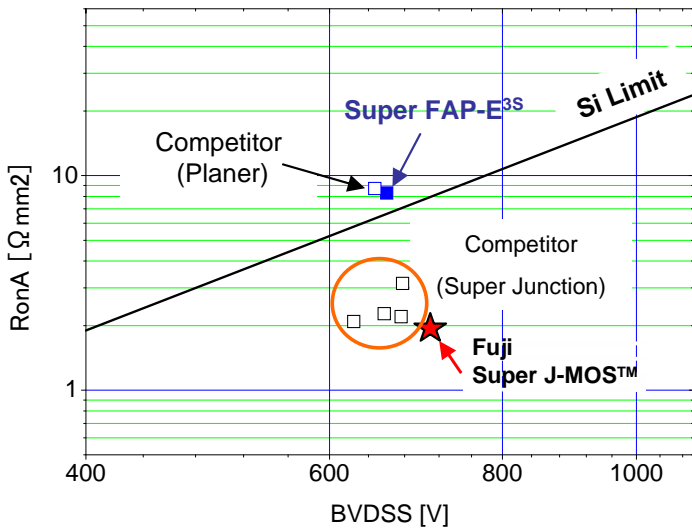
## ■ Features

- Low on-state resistance
  - 75% RonA compared to conventional planer MOSFET
- Low switching loss, low noise
  - Best performance for Eoff-dv/dt trade-off in the market
- Easy to use
  - VGS(th) +/- 0.5V guarantee, Avalanche robustness

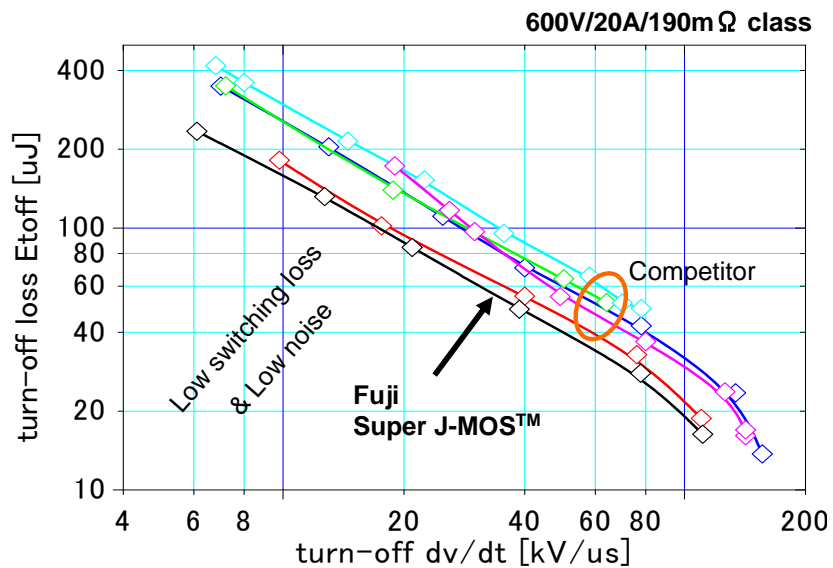
## ■ Applications

PFC or PWM converter for Server, PC, Solar, UPS, LCD-TV, Lighting, Standard power supply

### Low on-state resistance



### Low switching loss, low noise



## ■ Line up

RDS(on) max.	ID	VGS(th)	TO247-P2 	TO3P 	TO-220 	TO-220F(SLS) 	D2-Pack 
40m $\Omega$	68A	3.0±0.5V	FMW79N60S1	-	-	-	-
70m $\Omega$	47A	3.0±0.5V	FMW47N60S1	FMH47N60S1	-	-	-
125m $\Omega$	30A	3.0±0.5V	FMW30N60S1	FMH30N60S1	FMP30N60S1	FMV30N60S1	FMB30N60S1*
190m $\Omega$	20A	3.0±0.5V	FMW20N60S1	FMH20N60S1	FMP20N60S1	FMV20N60S1	FMB20N60S1*
280m $\Omega$	13A	3.0±0.5V	-	-	FMP13N60S1*	FMV13N60S1*	FMB13N60S1*
380m $\Omega$	10A	3.0±0.5V	-	-	FMP10N60S1*	FMV10N60S1*	FMB10N60S1*
470m $\Omega$	8A	3.0±0.5V	-	-	FMP08N60S1*	FMV08N60S1*	FMB08N60S1*
580m $\Omega$	6.5A	3.0±0.5V	-	-	FMP07N60S1*	FMV07N60S1*	FMB07N60S1*

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\* Under development