

# SMPD - extreme flexible platform

## MOSFET & Diode building blocks

### MOSFETs

Type	Configuration	Circuit diagram / Technology	V <sub>DSS</sub>	I <sub>D25</sub> T <sub>C</sub> = 25°C	R <sub>DS(on)</sub> typ. T <sub>C</sub> = 25°C	NTC	Fig. No.
➤ New ⚡ under development			V	A	mΩ		
➤ MMIX 1T600N04T2	single	A Trench2	40	600	1.3		X031a
⚡ MMIX 1T550N055T2	single	A Trench2	55	550	1.3		
➤ MMIX 1F520N075T2	single	A Trench2 HiPerFET	75	500	1.6		
➤ MKE 38RK600DFELB	buck/boost	C CoolMOS™ & FRED	600	50	40		X030a
➤ MKE 38P600LB	phase-leg	B CoolMOS™		50	40		
⚡ MKE 38P600TLB	phase-leg	B CoolMOS™		50	40	•	

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### Diodes

Type	Configuration	Circuit diagram / Diode type	Voltage	I <sub>D(AV)</sub> M T <sub>C</sub> = 90°C	NTC	Fig. No.
➤ New ⚡ under development			V	A		
➤ DSA 120X150LB	dual	K Schottky	150	2x 75		X030a
⚡ DHG 60U1200LB	3~ bridge	M SONIC	1200	63		
➤ DLA 100B1200LB	1~ bridge	L Rectifier	1200	124		
⚡ DMA 90U1800LB	3~ bridge	M Rectifier	1800	99		

## ISOPLUS-SMPD™

