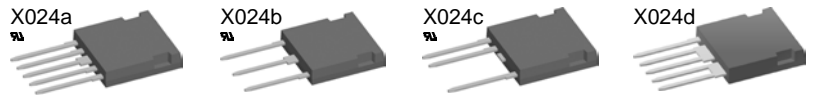


# ISOPLUS i4-PAC™



Type with MOSFET	Configuration	Circuit diagram / Technology	V <sub>DSS</sub> V	I <sub>D25</sub> T <sub>C</sub> = 25°C A	I <sub>D90</sub> T <sub>C</sub> = 90°C A	R <sub>DS(on)</sub> typ. T <sub>C</sub> = 25°C mΩ	Fig. No.	Package style Outline drawings on pages O-30...O-52
➤ New								
FMM 150-0075P FMM 75-01F FMM 65-015P	phase leg	B Trench MOSFET B HiPerFET B Trench MOSFET	2x 75 2x 100 2x 150	150 75 65	120 50 50	4.7 20.0 13.0	X024a	
➤ IXTF 280N055T ➤ IXTF 250N075T ➤ IXTF 230N085T ➤ IXTF 200N10T	single	A Trench MOSFET A Trench MOSFET A Trench MOSFET A Trench MOSFET	55 75 85 100	160 140 130 120		max 4.0 max 4.4 max 5.3 max 6.3	X024d	
IXKF 40N60SCD1		H CoolMOS™ & serial Schottky & HiPerFRED as free wheel. Diode	600	38	25	60.0	X024c	
IXFF 24N100		A HiPerFET	1000	22	15	320.0	X024c	
FMD 21-05QC ➤ FMD 15-06KC5 FMD 40-06KC ➤ FMD 47-06KC5	boost	E HiPerFET & HiPerDynFRED E CoolMOS™ & HiPerDynFRED E CoolMOS™ & HiPerDynFRED E CoolMOS™ & HiPerDynFRED	500 600 600 600	21	15	180.0	X024a	
FDM 100-0045SP ➤ FDM 15-06KC5 ➤ FDM 47-06KC5	buck	F Trench MOSFET & Schottky G CoolMOS™ & HiPerDynFRED G CoolMOS™ & HiPerDynFRED	45 600 600	100	80	5.7	X024a	
				under development				
				contact factory				
				under development				
				under development				

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Type with IGBT	Configuration	Circuit diagram / Technology	V <sub>CE(S)</sub> V	I <sub>C25</sub> T <sub>C</sub> = 25°C A	I <sub>C90</sub> T <sub>C</sub> = 90°C A	V <sub>CE(sat)</sub> typ. T <sub>C</sub> = 25°C V	Fig. No.
➤ New							
FII 30-06D FII 40-06D FII 30-12E FII 50-12E ➤ FII 24N17AH1	phase leg	K NPT IGBT K NPT IGBT K NPT3 IGBT K NPT3 IGBT K High voltage IGBT	2x 600 2x 600 2x 1200 2x 1200 2x 1700	30 40 50 50 18	18 25 32 32 11	1.9 1.8 2.4 2.0 4.5	X024a
FID 60-06D	boost	M NPT IGBT & HiPerFRED	600	65	40	1.6	X024a
IXBF 9N160G IXBF 40N160 ➤ IXGF 32N170 ➤ IXBF 14N250 IXLF 19N250A	single	J BiMOSFET J BiMOSFET I High voltage IGBT J BiMOSFET I High voltage IGBT	1600 1600 1700 2500 2500	7 28 26 32	4 16 12 19	4.9 6.2 3.5 3.2	X024c

Type AC Switch	Circuit diagram / Technology	Voltage V	Current T <sub>C</sub> = 25°C A	Fig. No.
➤ New				
FMK 75-01F FIO 50-12BD	C MOSFET Common Source N 1-phase Bridge and IGBT	100 1200	2x 50 32	X024a

Type Bipolar	Configuration	Circuit diagram / Diode type	Voltage V	I <sub>D(AV)</sub> T <sub>C</sub> = 90°C A	Fig. No.
➤ New					
FUS 45-0045B FBS 10-06SC FBS 16-06SC FBE 22-06N1 FUE 30-12N1 FBO 16-12N FBO 40-12N FUO 22-12N FUO 22-16N FUO 50-16N CMA 30P1600FC CMA 50P1600FC	3-phase bridge 1-phase bridge 1-phase bridge 1-phase bridge 3-phase bridge 1-phase bridge 1-phase bridge 3-phase bridge 3-phase bridge 3-phase bridge phase leg phase leg	T Schottky Q Si-Carbide Q Si-Carbide R HiperFRED S HiperFRED R Rectifier R Rectifier S Rectifier S Rectifier S Rectifier U Thyristor U Thyristor	45 600 600 600 1200 1200 1200 1200 1600 1600 2x 1600 2x 1600	45 contact factory contact factory 20 30 22 40 27 27 50 30 50	X024a
CS 20-22moF1 CS 20-25mo1F	single part, high voltage single part, high voltage	V Thyristor V Thyristor	2200 2500	18 18	X024c
DSEE 55-24N1F DHH 55-36N1F	phase leg phase leg	P HiperFRED P Sonic-FRD	2x 1200 2x 1800	55 50	X024b