

CoolMOS™ Power MOSFETs

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K Series - CoolMOS™

Part Type	V _{DS}	I _{DS} T _C = 25°C	R _{DS(on)} T _J = 25°C	Q _s typ.	R _{nJC}	V _{ISOL} RMS	Fig. No.	Package style Outline drawings on pages O-31...O-52
○ Not for new design	V	A	Ω	nC	K/W	V		
➤ New								
C3 Series								
IXKC 20N60C	600	14	0.19	80	1.00	2500	X010a	X005a TO-220AB
IXKC 40N60C		24	0.096	160	0.50	2500	X010a	
IXKR 40N60C		38	0.07	250	0.45	2500	X016a	X009a PLUS220
IXKN 40N60C		40	0.07	250	0.43	2500	X027a	
IXKN 75N60C		75	0.036	500	0.22	2500	X027a	X010a ISOPLUS220™
○ IXKK 85N60C		85	0.036	540	0.18	-	X020a	
IXKC 13N80C	800	13	0.29	85	0.96	2500	X010a	X013 PLUS220SMD
IXKC 25N80C		20	0.15	180	0.90	2500	X010a	
IXKR 25N80C		25	0.15	170	0.50	2500	X016a	X014a TO-247AD
IXKN 45N80C		44	0.074	335	0.33	2500	X027a	
C5 Series								
○ IXKH 20N60C5	600	20	0.2	32	0.60	-	X014a	X016a ISOPLUS247™
IXKC 23N60C5		23	0.1	60	0.85	2500	X010a	
IXKP 24N60C5		24	0.165	40	0.50	-	X005a	X016c ISO247™
IXKH 30N60C5		30	0.125	53	0.40	-	X014a	
IXKH 35N60C5		35	0.1	60	0.35	-	X014a	X020a TO-264
IXKR 47N60C5		47	0.045	150	0.45	2500	X016a	
IXKH 70N60C5		70	0.045	150	0.20	-	X014a	X022c ISOPLUS264
IXKT 70N60C5		66	0.045	150	0.23	-	X019	
CFD Series with fast Body Diode								
➤ MKH 24I650HR	650	25	0.8	170	0.65	3000	X016c	
CoolMOS™ Configurations in i4-PAC™								
Part Type	V _{DS}	I _{DS} T _C = 25°C	R _{DS(on)} max. T _J = 25°C	Q _s typ.	R _{nJC}	Config.	Fig. No.	
	V	A	Ω	nC	K/W			
IXKF 40N60SCD1	600	38	0.07	250	0.45	single	X024c	X016c ISO247™
IXKF 40N60SCH1		41	0.07	250	0.45	single		
MKE 11R600DCGFC ¹⁾	600	15	0.165	40	1.1	boost	X024a	X020a TO-264
FMD 15-06KC5		15	0.165	40	1.1	boost		
FMD 40-06KC		38	0.07	250	0.45	boost		X022c ISOPLUS264
FMD 47-06KC5		47	0.045	150	0.45	boost		
FDM 47-06KC5	600	47	0.045	150	0.45	buck		
¹⁾ with SiC Boost Diode								
Configuration in ISOPLUS264™ Package								
LKK 47-06C5	600	2 x 47	0.045	150	0.45	dual	X022c	