



K Series - CoolMOS™

Part Type	V _{DSS}	I _{D25} T _C = 25°C	R _{DS(on)} T _J = 25°C	Q _g	R _{thJC}	V _{ISOL} RMS	Fig. No.	Package style Outline drawings on pages O-30...O-55
○ Not for new design				typ.				
➤ New	V	A	Ω	nC	K/W	V		
C3 Series								X005a TO-220AB
IXKC 20N60C	600	14	0.19	80	1.00	2500	X010a	
○ IXKC 40N60C		24	0.096	160	0.50	2500	X010a	
IXKR 40N60C		38	0.07	250	0.45	2500	X016a	
IXKN 40N60C		40	0.07	250	0.43	2500	X027a	
IXKH 47N60C		47	0.07	250	0.30	-	X014a	
IXKN 75N60C		75	0.036	500	0.22	2500	X027a	
IXKK 85N60C		85	0.036	540	0.18	-	X020a	
IXKC 13N80C	800	13	0.29	85	0.96	2500	X010a	
○ IXKC 25N80C		20	0.15	180	0.90	2500	X010a	
IXKR 25N80C		25	0.15	170	0.50	2500	X016a	
IXKN 45N80C		44	0.074	335	0.33	2500	X027a	
C5 Series								
IXKP 10N60C5	600	10	0.385	17	1.15	-	X005a	
○ IXKP 13N60C5M		6.5	0.3	22	3.85	-	X007a	
○ IXKP 20N60C5		20	0.2	32	0.60	-	X005a	
○ IXKH 20N60C5		20	0.2	32	0.60	-	X014a	
○ IXKC 15N60C5		15	0.165	40	1.10	2500	X010a	
○ IXKP 24N60C5		24	0.165	40	0.50	-	X005a	
○ IXKP 24N60C5M		8.5	0.165	40	3.65	-	X007a	
○ IXKH 24N60C5		24	0.165	40	0.50	-	X014a	
○ IXKH 30N60C5		30	0.125	53	0.40	-	X014a	
IXKH 35N60C5		35	0.1	60	0.35	-	X014a	
IXKR 47N60C5		47	0.045	150	0.45	2500	X016a	
IXKH 70N60C5		70	0.045	150	0.20	-	X014a	
IXKT 70N60C5		66	0.045	150	0.23	-	X019	
<p>CoolMOS™ Configurations in i4-PAC™</p> <p>MKE...R...DCG... IXKF FDM FMD LKK</p>								
<p>CoolMOS™ Configurations in ISOPLUS264™ Package</p> <p>LKK 47-06C5</p>								X022c ISOPLUS264
Part Type	V _{DSS}	I _{D25} T _C = 25°C	R _{DS(on)} max. T _J = 25°C	Q _g	R _{thJC}	Config.	Fig. No.	X024a ISOPLUS i4-PAC™
◇ under development				typ.				
➤ New	V	A	Ω	nC	K/W			
IXKF 40N60SCD1	600	38	0.07	250	0.45	single	X024c	
➤ IXKF 40N60SCH1		41	0.07	250	0.45	single		
◇ IXKF 40N60SCC1 ¹⁾		41	0.07	250	0.45	single		
MKE 11R600DCGFC ¹⁾	600	15	0.165	40	1.1	boost	X024a	
FMD 15-06KC5		15	0.165	40	1.1	boost		
FMD 40-06KC		38	0.07	250	0.45	boost		
FMD 47-06KC5		47	0.045	150	0.45	boost		
FDM 15-06KC5	600	15	0.165	40	1.1	buck	X027a	
FDM 47-06KC5		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	