

KEC POWER MOS-FET



Ballast



CRT Monitor

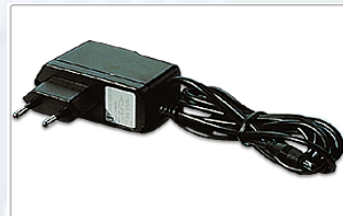


CAR Amplifier

**HIGH VOLTAGE MOSFET
Switching (AC-DC, DC-DC, DC-AC)**



SMPS



Charger



E-Bike

KEC POWER MOS-FET

First & Best

Contact Channel

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KEC POWER MOS-FET

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■ 20V Line-up

Part No.	Configuration	BV _{DSS} (V)	I _D (A)	V _{GS} (V)	V _{th} (V)	R _{DS(ON)} Typ (mΩ)			PKG	Application	Status
						10V	4.5V	2.5V			
KMC7D0CN20C	Dual N / Internal Zener Diode / Common Drain	20	7	± 10	0.7	-	16.5	23	TSSOP-8	Battery Pack	M/P
KMA2D3P20S	Single P	-20	-2.3	± 10	-0.8	-	115	175	SOT-23	DSC, C/P	06. 3Q
KMA2D4P20S	Single P	-20	-2.4	± 12	-0.6 (min)	-	88	146	SOT-23	DSC, C/P	M/P
KMA2D8P20X	Single P	-20	-2.8	± 12	-0.8	-	75	125	TSOP-6	DSC, MP-3	M/P
KMA4D5P20X	Single P	-20	-4.5	± 12	-0.6 (min)	-	49	85	TSOP-6	LCD TV/MNT PC Board Note-Book	06. 06
KMA6D0P20X	Single P	-20	-6.0	± 12	-0.6 (min)	-	27	46	TSOP-6		M/P
KMA6D5P20Q	Single P	-20	-6.5	± 12	-0.6 (min)	-	27	46	FLP-8		M/P
KMA010P20Q	Single P	-20	-10	± 12	-0.6 (min)	-	11	18	FLP-8		06. 06
KMA2D0DP20X	Dual P	-20	-2	± 10	-0.8	-	115	175	TSOP-6		M/P
KMA5D8DP20Q	Dual P	-20	5.8	± 12	-0.6 (min)	-	29	49	FLP-8		M/P

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■ 30V Line-up

Part No.	Configuration	BV _{DSS} (V)	I _D (A)	V _{GS} (V)	V _{th} (V)	R _{DS(ON)} Typ (mΩ)			PKG	Application	Status
						10V	4.5V	2.5V			
						KMB6D6N30Q	Single N	30			
KMB012N30Q	Single N	30	12	± 20	1.6	6	8.5	-	FLP-8	DC/DC Con	M/P
KMB030N30D	Single N	30	30	± 20	1.7	13	23	-	DPAK	DC/DC Con	M/P
KMB6D0DN30Q	Dual N	30	6	± 20	1.7	27	52	-	FLP-8	Load S/W	M/P
KMB8D0P30Q	Single P	-30	-8	± 25	-1.6	15	22	-	FLP-8	Load S/W	M/P
KMB5D5NP30Q	Dual NP	30	5.5	± 20	0.8 (min)	40	50	-	FLP-8	BLI	M/P
		-30	-4.5	± 20	-1.0	55	85	-			M/P
KMB7D6NP30Q	Dual NP	30	7.6	± 20	1.7	20	40	-	FLP-8	BLI	M/P
		-30	-5.3	± 20	-1.6	45	60	-			M/P
KMB7D0NP30Q	Dual NP	30	7.0	± 20	1.5	20	35	-	FLP-8	BLI	M/P
		-30	-5	± 20	-1.5	35	50	-			M/P

■ 40V~ 50V Line-up

Part No.	Configuration	BV _{DSS} (V)	I _D (A)	V _{GS} (V)	V _{th} (V)	R _{DS(ON)} Typ (mΩ)			PKG	Application	Status
						10V	4.5V	2.5V			
						KMB7D0DN40Q	Dual N	40			
KMB5D0NP40Q	Dual NP	40	5	± 20	2.0	25	45	-	FLP-8	BLI	M/P
		-40	-4	± 20	-1.5	327	50	-			M/P
KMB4D8DN55Q	Dual N	55	4.8	± 20	1.8	38	60	-	FLP-8	BLI	M/P
KMB4D5NP55Q	Dual NP	55	4.5	± 20	2.0	40	75	-	FLP-8	BLI	M/P
		-55	-3	± 20	-1.6	85	110	-			M/P

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■ 60V~100V Line-up

Part No.	General Device Name	BV _{DSS} (V)	I _D (A)	V _{GS} (V)	V _{th} (V)	R _{DS(ON)} Typ (Ω)			PKG	Application	Status
						10V	4.5V	2.5V			
KMB050N60P	50N06	60	50	± 20	2.0 (min)	0.018	-	-	TO-220AB	E-Bike Car booster	M/P
KMB075N75P	75N75	75	75	± 20	2.0 (min)	0.013	-	-	TO-220AB	E-Bike Car booster	M/P

■ 200V Line-up

Part No.	General Device Name	BV _{DSS} (V)	I _D (A)	V _{GS} (V)	V _{th} (V)	R _{DS(ON)} Typ (Ω)			PKG	Application	Status
						10V	4.5V	2.5V			
KHB9D5N20P1/F1	630	200	9.5	± 30	2.0 (min)	0.345	-	-	TO-220AB / IS	CRT TV	M/P
KHB019N20P1/F1	640	200	19.0	± 30	2.0 (min)	0.14	-	-	TO-220AB / IS	CRT TV	M/P
KHB8D8N25P/F	634	250	8.8	± 30	2.0 (min)	0.36	-	-	TO-220AB / IS	CRT TV	M/P

■ 400V~500V Line-up

Part No.	General Device Name	BV _{DSS} (V)	I _D (A)	V _{GS} (V)	V _{th} (V)	R _{DS(ON)} Typ (Ω)			PKG	Application	Status
						10V	4.5V	2.5V			
KHB6D0N40P/F	730	400	6.0	± 30	2.0 (min)	0.9	-	-	TO-220AB / IS	Ballast	M/P
KHB011N40P1/F1	740	400	11	± 30	2.0 (min)	0.5	-	-	TO-220AB / IS	Ballast	M/P
KHB5D0N50P/F	830	500	5.0	± 30	2.0 (min)	1.24	-	-	TO-220AB / IS	Ballast	M/P
KHB9D0N50P1/F1	840	500	9.0	± 30	2.0 (min)	0.65	-	-	TO-220AB / IS	Ballast	M/P
KHB020N50	20N50	500	20	± 30	-	-	-	-	TO-220AB / IS	SMPS	06.3Q

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■ 600V ~ 700V Line-up

Part No.	General Device Name	BV _{DSS} (V)	I _D (A)	V _{GS} (V)	V _{th} (V)	R _{DS(ON)} Typ (Ω)			PKG	Application	Status
						10V	4.5V	2.5V			
KHB1D0N60D/I	1N60	600	1.0	± 30	2.0 (min)	9.7	-	-	DPAK/IPAK	Charger	M/P
KHB1D9N60D/I	2N60	600	1.9	± 30	2.0 (min)	3.8	-	-	DPAK/IPAK	Charger	M/P
KHB2D0N60P/F	2N60	600	2.0	± 30	2.0 (min)	3.8	-	-	TO-220AB / IS	Charger	M/P
KHB4D0N60P/F	4N65	600	4.0	± 30	2.0 (min)	2.2	-	-	TO-220AB / IS	SMPS	M/P
KHB4D5N60P/F	4N60	600	4.5	± 30	2.0 (min)	2.2	-	-	TO-220AB / IS	SMPS, Ballast	M/P
KHB7D5N60P1/F1	7N60	600	7.5	± 30	2.0 (min)	1.0	-	-	TO-220AB / IS	SMPS, Ballast	M/P
KHB022N60P/F	22N60	600	22	± 30	2.0 (min)	-	-	-	TO-220AB / IS	SMPS	06.3Q
KHB7D0N65P1/F1	7N65	650	7.0	± 30	2.0 (min)	1.2	-	-	TO-220AB/IS	SMPS , PFC, Ballast	M/P
KHB3D0N70P1/F1	3N70	700	3.0	± 30	2.0 (min)	-	-	-	TO-220AB/IS	Stand-by Power	06. 07

■ 800V ~ 900V Line-up

Part No.	General Device Name	BV _{DSS} (V)	I _D (A)	V _{GS} (V)	V _{th} (V)	R _{DS(ON)} Typ (Ω)			PKG	Application	Status
						10V	4.5V	2.5V			
KHB1D2N80D/I	1N80	800	1.2	± 30	2.0 (min)	16	-	-	D-PAK,I-PAK	Charger	M/P
KHB4D0N80P1/F1	4N80	800	4	± 30	2.0 (min)	3.0	-	-	TO-220AB/IS	SMPS	M/P
KHB7D0N80P1/F1	7N80	800	7.0	± 30	2.0 (min)	1.25	-	-	TO-220AB/IS	SMPS	M/P
KHB3D0N90P1/F1	3N90	900	3.0	± 30	2.0 (min)	4.0	-	-	TO-220AB/IS	SMPS	M/P
KHB9D0N90P1	9N90	900	9.0	± 30	2.0 (min)	1.12	-	-	TO-220AB/IS	SMPS	M/P
KHB9D0N90N1	9N90	900	9.0	± 30	2.0 (min)	1.12	-	-	TO-3P	SMPS	M/P

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■ Cross-Reference

KEC Part No.	IR	FSC	ST	Fuji	Toshiba
KMB050N60P	IRLZ44	FQP50N06	STB55NF06	2SK3364 / 2SK2903-01	
KMB075N75P			STP75NE75		
KHB9D0N20P1/F1	IRF630	FQP(F)630	IRF630M/FP	2SK2519 / 2SK2520-01	2SK2325
KHB018N20P1/F1	IRF640N	FQP640	IRF640	2SK2521 / 2SK2522-01	
KHB8D8N25P/F	IRF634	FQP(F)9N25C	STP8NS25		
KHB6D0N40P/F	IRF730	FQP(F)6N40C	STP7NK40Z/ZFP		2SK2679
KHB011N40P1/F1	IRF740	FQP(F)11N40C	STP11NK40Z/ZFP		2SK2952
KHB5D0N50P/F	IRF830	FQP(F)5N50C	STP5NK50Z/ZFP	2SK2875 / 2SK2876-01	2SK2661 / SK2662
KHB9D0N50P1/F1	IRF840	FQP(F)9N50C	STP9NK50Z/ZFP	2SK1981 / 2SK1982-01	
KHB020N50	IRFB20N50K		STW20NM50		
KHB1D0N60D/I	IRFR1N60A	FQN(F)1N60C	STD1NK60		
KHB2D0N60P/F	IRFBC20	FQP(F)2N60	STP3NK60Z		
KHB1D9N60D/I	IRFRC20	FQD(F)2N60C	STD2NC60		
KHB4D5N60P/F	IRFPC30	FQP(F)4N60	STP4NK60Z/ZFP	2SK2025 / 2SK2003-01	2SK2750
KHB7D5N60P1/F1	IRFPC40	FQP(F)7N60	STP8NM60		2SK3667
KHB7D0N65P1/F1		FQP(F)7N65C	STP9NK65Z		
KHB1D2N80D/I		FQD/FQU1N80	STD1NB80		
KHB4D0N80P1/F1	IRFBE30	FQP(F)4N80	STP4NB80	2SK2646 / 2SK2647-01	
KHB7D0N80P1/F1	-	FQP(F)7N80	STP7NB80		
KHB3D3N90P1/F1	IRFBF30		STP/STF3HMK90Z		
KHB9D0N90P1		FQP(F)9N90C	STP9NK90Z		
KHB9D0N90N1		FQA9N90C	STW9NK90Z	2SK2654 / 2SK2655-01	

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■ Cross-Reference

KEC Part No.	Vishay	FSC	AATI	AOS	Etc.
KMC7D0CN20C	SI6880AEDQ	FDW2509NZ		AO8810	STG821
KMA2D3P20S	SI2301DS	FDN338P		AO3413	STS2309A
KMA2D4P20S	SI2301BDS	FDN308P	AAT8401	AO3413	
KMA2D8P20X	SI3441BDV	FDC634P			
KMA4D5P20X	SI3443DY	FDC642P	AAT8343		
KMA6D0P20X	SI3491DY		AAT8307		
KMA6D5P20Q	SI9434DY	FDS8434A	AAT8107		
KMA010P20Q	SI4463DY	FDS6575	AAT8303		
KMA2D0DP20X	SI3911DV	FDC6306P			STS2621
KMA5D8DP20Q	SI4963DY	FDS6875	AAT7157		
KMB6D6N30Q	SI9436DY				STM9410A
KMB012N30Q	SI4856DY	FDS6670A		AO4430	STM4884A
KMB6D0DN30Q	SI4936ADY				STM6912
KMB8D0P30Q	SI4435BDY	FDS4435		AO4411	STM4435
KMB5D5NP30Q	SI4539ADY SI4532ADY	FDS8928A			STM4532
KMB7D6NP30Q	SI4544DY	FDS8958A		AO4606	STM8401
KMB7D0NP30Q	SI4542DY				STM8405
KMB7D0DN40Q	SI4942DY				STM6920
KMB5D0NP40Q					STM8450A
KMB4D8DN55Q	SI4946EY				STM6930A
KMB4D5NP55Q	SI4559EY				STM8500A