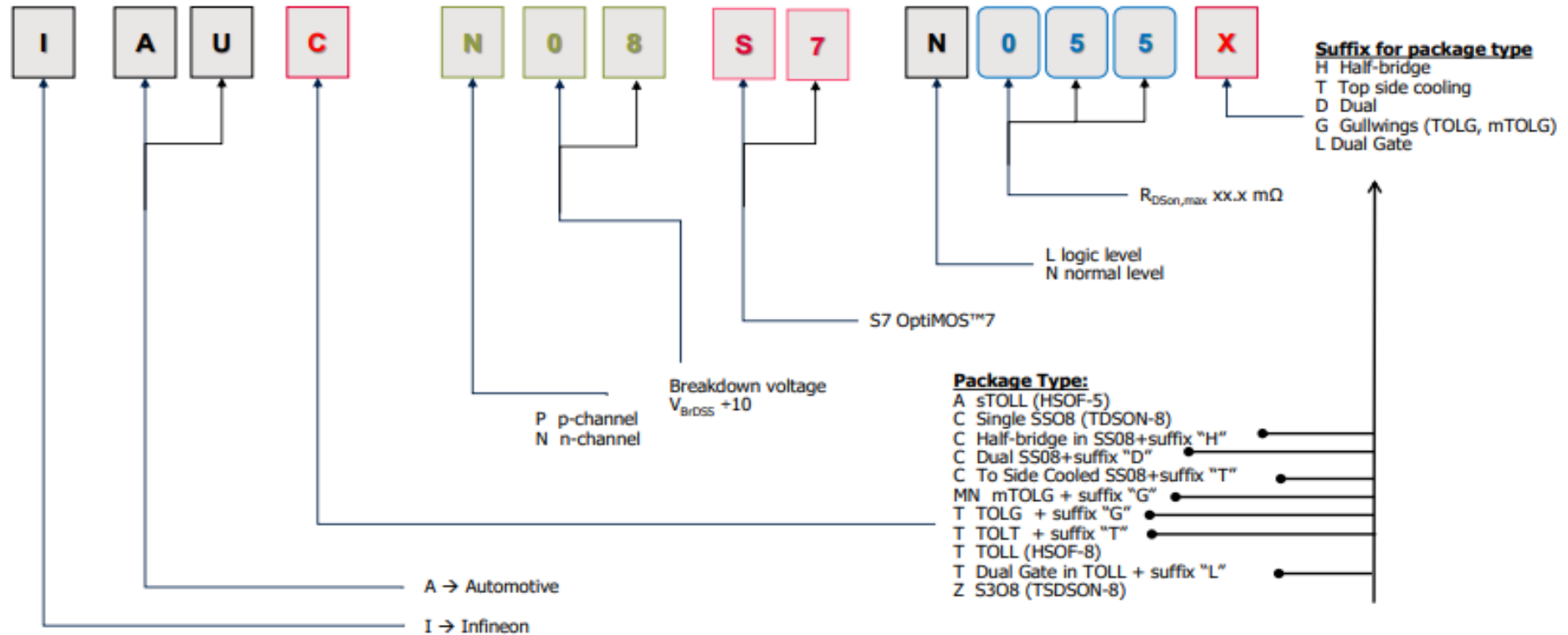




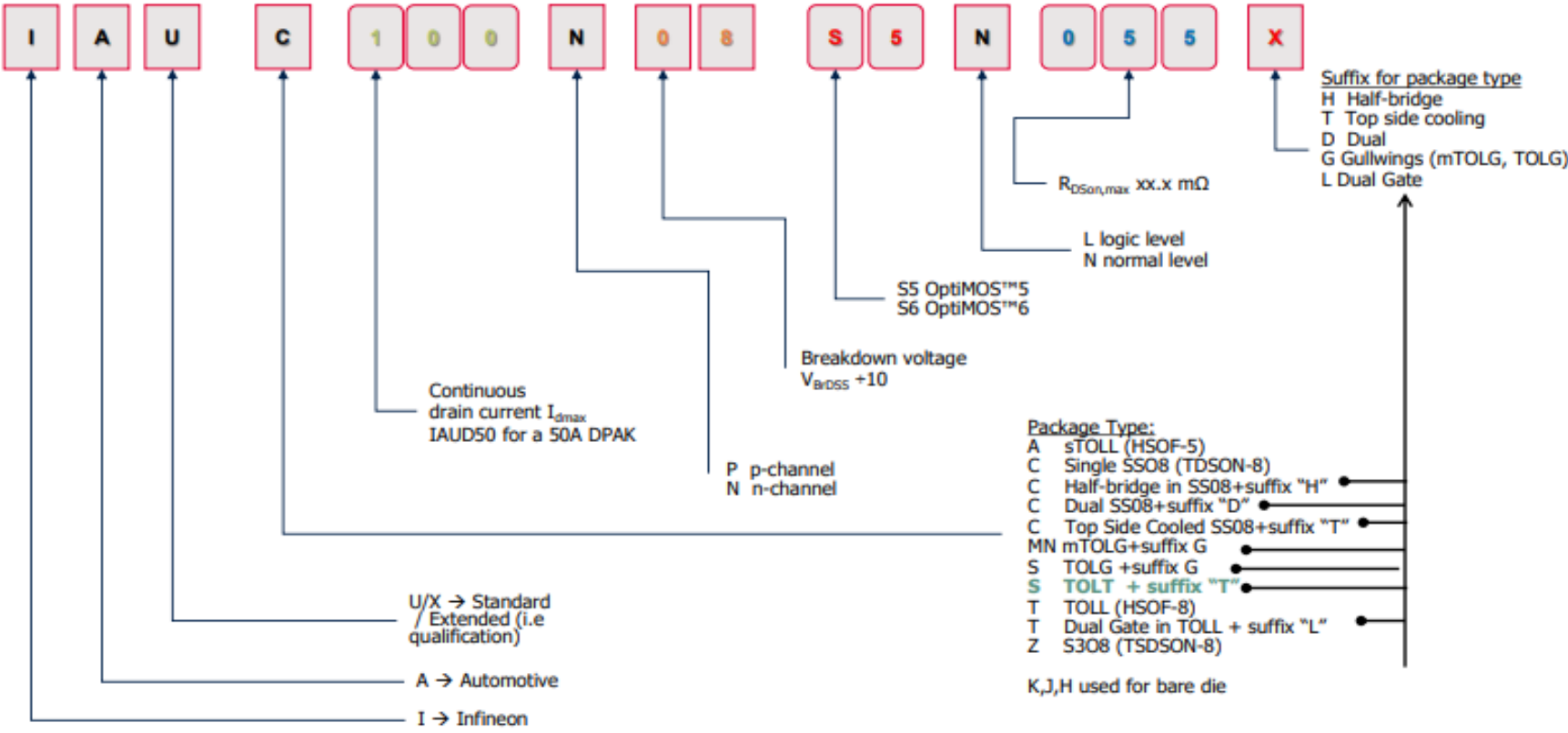
Automotive MOSFET Selection Guide
Update May 2023

New* Automotive MOSFET naming system (*used after OptiMOS™ 7 introduction)



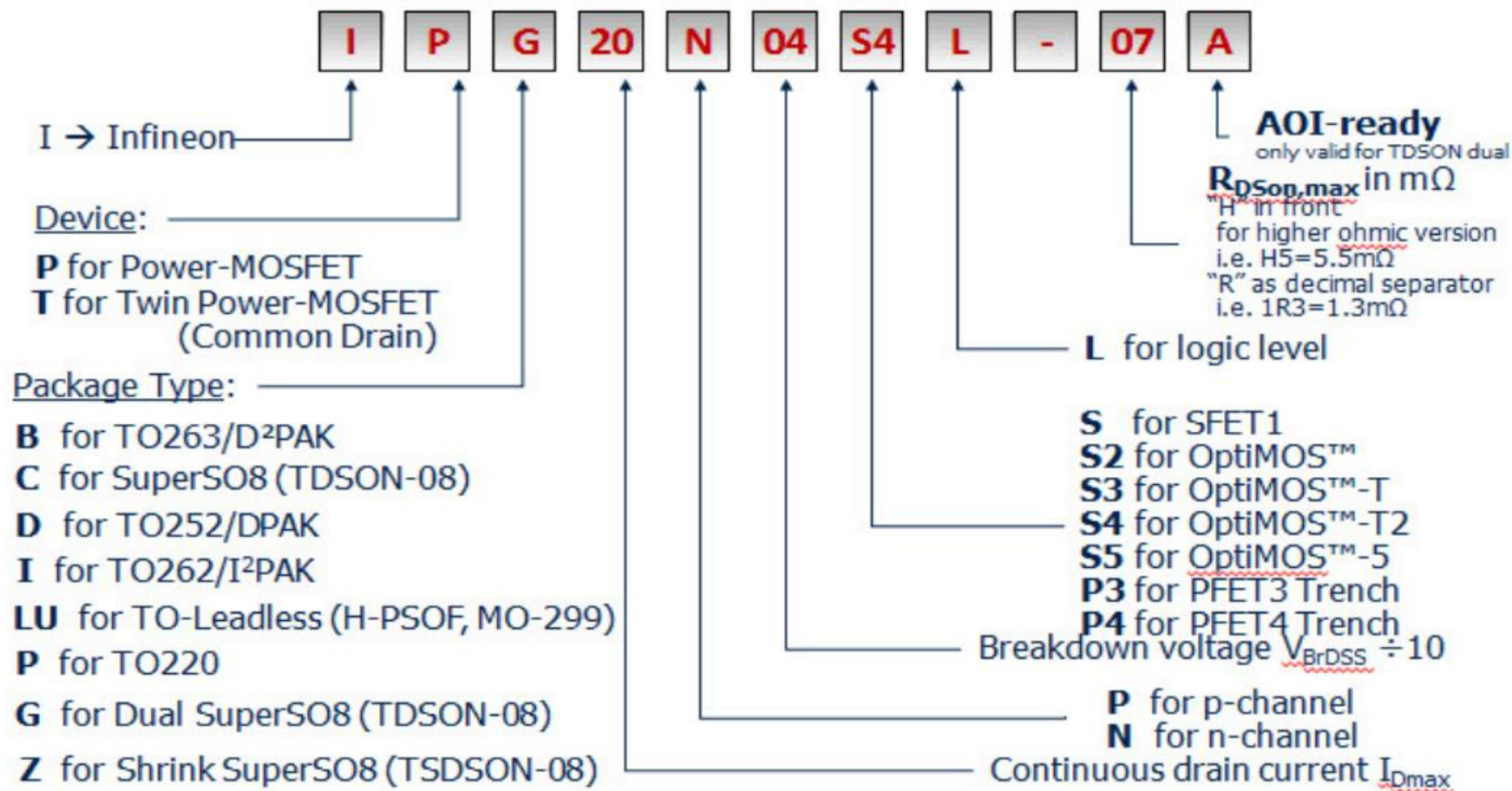


New* Automotive MOSFET naming system (*used after OptiMOS™ 5 introduction)





IFX Existing Automotive MOSFET Naming System



N Channel Trench 24V to 30V

24V (Trench)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
AUIRF1324WL	Gen 10.2	1,30	240	0,50	2.0 ... 4.0	120	Normal	TO-262-WideLead
AUIRF1324S	Gen 10.2	1,65	195	0,50	2.0 ... 4.0	160	Normal	TO-263-3

30V (Trench)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IPB240N03S4L-R8	OptiMOS™ T2	0,76	240	0,50	1.0 ... 2.2	290	Logic	TO-263-7
IPB180N03S4L-01	OptiMOS™ T2	1,05	180	0,80	1.0 ... 2.2	187	Logic	TO-263-7
IPD90N03S4L-02	OptiMOS™ T2	2,20	90	1,10	1.0 ... 2.2	110	Logic	TO-252-3
AUIRF2903ZS	Gen 10.2	2,40	160	0,65	2.0 ... 4.0	160	Normal	TO-263-3
IPB80N03S4L-02	OptiMOS™ T2	2,40	80	1,10	1.0 ... 2.2	110	Logic	TO-263-3
IPP80N03S4L-03	OptiMOS™ T2	2,70	80	1,10	1.0 ... 2.2	110	Logic	TO-220-3
IPD90N03S4L-03	OptiMOS™ T2	3,30	90	1,60	1.0 ... 2.2	60	Logic	TO-252-3
IPD70N03S4L-04	OptiMOS™ T2	4,30	70	2,20	1.0 ... 2.2	37	Logic	TO-252-3
IPD50N03S4L-06	OptiMOS™ T2	5,50	50	2,70	1.0 ... 2.2	24	Logic	TO-252-3
IPD30N03S4L-09	OptiMOS™ T2	9,00	30	3,60	1.0 ... 2.2	15	Logic	TO-252-3
IPD30N03S4L-14	OptiMOS™ T2	13,60	30	4,90	1.0 ... 2.2	11	Logic	TO-252-3

N Channel Trench 40V

40V (Trench)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
AUIRF8739L2	Gen 12.7	0,60	375	0,44(j-can), 0,5(j-PCB)	2.2 ... 3.9	375	Normal	DirectFET2-Large	1
IAUA250N04S6N005	OptiMOS™ 6	0,55	250	0,60	2.2 ... 3.0	130	Normal	HSOF-5	2
IAUA250N04S6N007E	OptiMOS™ 6	0,70	250	0,78	2.2 ... 3.0	94	Normal	HSOF-5	3
AUIRFS8409-7	Gen 12.7	0,69	370	0,40	2.2 ... 3.9	305	Normal	TO-263-7	4
AUIRFS8408-7	Gen 12.7	0,70	240	0,51	2.2 ... 3.9	210	Normal	TO-263-7	5
IAUA250N04S6N008	OptiMOS™ 6	0,80	250	0,87	2.2 ... 3.0	81	Normal	HSOF-5	6
AUIRFS8409-7	Gen 12.7	0,75	240	0,40	1.0 ... 2.4	177,0	Normal	TO-263-7	7
AUIRFS8409-7	Gen 12.7	0,75	240	0,40	2.2 ... 3.9	305,0	Normal	TO-263-7	8
IPLU300N04S4-R8	OptiMOS™ T2	0,77	300	0,35	2.0 ... 4.0	221	Normal	HSOF-8	9
IAUC60N04S6L030H	OptiMOS™ 6	2 x 3,00	60	2,00	1.2 ... 2.0	27	Logic	HB TDSON-8	10
IAUC60N04S6N031H	OptiMOS™ 6	2 x 3,10	60	2,00	2.2 ... 3.0	24	Normal	HB TDSON-8	11
IAUC60N04S6L045H	OptiMOS™ 6	2 x 4,50	60	2,90	1.2 ... 2.0	15	Logic	HB TDSON-8	12
IAUC60N04S6N050H	OptiMOS™ 6	2 x 5,00	60	2,90	2.2 ... 3.0	12,5	Normal	HB TDSON-8	13
IAUC45N04S6L063H	OptiMOS™ 6	2 x 6,30	45	3,70	1.2 ... 2.0	10	Logic	HB TDSON-8	14
IAUC45N04S6N070H	OptiMOS™ 6	2 x 7,00	45	3,70	2.2 ... 3.0	8,9	Normal	HB TDSON-8	15
IAUC120N04S6L005	OptiMOS™ 6	0,55	120	0,80	1.2 ... 2.0	136,0	Logic	TDSON-8	16
IAUC120N04S6N006	OptiMOS™ 6	0,60	120	0,80	2.2 ... 3.4	116,0	Normal	TDSON-8	17
IAUC120N04S6N008	OptiMOS™ 6	0,80	120	1,00	2.2 ... 3.0	83,0	Normal	TDSON-8	18
IAUC120N04S6L008	OptiMOS™ 6	0,80	120	1,00	1.2 ... 2.0	88,0	Logic	TDSON-8	19
IPB240N04S4-R9	OptiMOS™ T2	0,87	240	0,50	2.0 ... 4.0	220	Normal	TO-263-7	20
IAUC120N04S6N009	OptiMOS™ 6	0,90	120	1,00	2.2 ... 3.4	76,0	Normal	TDSON-8	21
IAUC120N04S6L009	OptiMOS™ 6	0,90	120	1,00	1.2 ... 2.0	97,0	Logic	TDSON-8	22
IPB180N04S4-00	OptiMOS™ T2	0,98	180	0,50	2.0 ... 4.0	220	Normal	TO-263-7	23
IPB240N04S4-1R0	OptiMOS™ T2	1,00	240	0,65	2.0 ... 4.0	170	Normal	TO-263-7	24
IPB180N04S4L-H0	OptiMOS™ T2	1,00	180	0,60	1.2 ... 2.2	239	Logic	TO-263-7	25
AUIRF7739L2	Gen 10.7	1,00	270	1,2(j-can), 0,5(j-PCB)	2.0 ... 4.0	220	Normal	DirectFET2-Large	26
IAUA200N04S5N010	OptiMOS™ 5	1,00	200	0,90	2.2 ... 3.4	99,0	Normal	HSOF-5	27
IAUC120N04S6N010	OptiMOS™ 6	1,00	120	1,00	2.2 ... 3.0	81,0	Normal	TDSON-8	28
IPB180N04S4-H0	OptiMOS™ T2	1,10	180	0,60	2.0 ... 4.0	173	Normal	TO-263-7	29
IPC100N04S5L-1R1	OptiMOS™ 5	1,10	100	1,00	1.2 ... 2.0	105	Logic	TDSON-8	30
IPLU300N04S4-1R1	OptiMOS™ T2	1,15	300	0,50	2.0 ... 4.0	116	Normal	HSOF-8	31
IPB180N04S4L-01	OptiMOS™ T2	1,20	180	0,80	1.2 ... 2.2	188	Logic	TO-263-7	32
AUIRFS8409	Gen 12.7	1,20	195	0,40	2.2 ... 3.9	300	Normal	TO-263-3	33
IPC100N04S5-1R2	OptiMOS™ 5	1,20	100	1,00	2.2 ... 3.4	99	Normal	TDSON-8	34
IAUA180N04S5N012	OptiMOS™ 5	1,20	180	1,00	2.2 ... 3.4	75,0	Normal	HSOF-5	35
IAUC120N04S6L012	OptiMOS™ 6	1,20	120	1,30	1.2 ... 2.0	60,0	Logic	TDSON-8	36

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
AUIRFS3004-7	Gen 10.7	1,25	400	0,40	2.0 ... 4.0	160	Normal	TO-263-7	37
IPB180N04S4-01	OptiMOS™ T2	1,30	180	0,80	2.0 ... 4.0	135	Normal	TO-263-7	38
AUIRFS8407-7	Gen 12.7	1,30	306	0,65	2.2 ... 3.9	150	Normal	TO-263-7	39
AUIRFB8409	Gen 12.7	1,30	195	0,40	2.2 ... 3.9	300	Normal	TO-220-3	40
IAUC120N04S6N013	OptiMOS™ 6	1,30	120	1,30	2.2 ... 3.0	51,0	Normal	TDSON-8	41
AUIRLS3034-7	Gen 10.7	1,40	240	0,40	1.0 ... 2.5	120,0	Normal	TO-263-7	42
AUIRF3004WL	Gen 10.7	1,40	240	0,40	2.0 ... 4.0	140	Normal	TO-262-WideLead	43
IAUA120N04S5N014	OptiMOS™ 5	1,40	120	1,10	2.2 ... 3.4	62,0	Normal	HSOF-5	44
IAUC100N04S6L014	OptiMOS™ 6	1,40	100	1,50	1.2 ... 2.0	49,0	Logic	TDSON-8	45
IPB160N04S4L-H1	OptiMOS™ T2	1,50	160	0,90	1.2 ... 2.2	146	Logic	TO-263-7	46
IP1120N04S4-01	OptiMOS™ T2	1,50	120	0,80	2.0 ... 4.0	135	Normal	TO-262-3	47
IPB120N04S4-01	OptiMOS™ T2	1,50	120	0,80	2.0 ... 4.0	135	Normal	TO-263-3	48
IPC100N04S5L-1R5	OptiMOS™ 5	1,50	100	1,30	1.2 ... 2.0	70	Logic	TDSON-8	49
IAUC100N04S6N015	OptiMOS™ 6	1,50	100	1,50	2.2 ... 3.0	42,0	Normal	TDSON-8	50
IPB160N04S4-H1	OptiMOS™ T2	1,60	160	0,90	2.0 ... 4.0	105	Normal	TO-263-7	51
AUIRF7738L2	Gen 10.7	1,60	184	1,6(j-can), 0,5(j-PCB)	2.0 ... 4.0	129	Normal	DirectFET2-Large	52
IPLU250N04S4-1R7	OptiMOS™ T2	1,70	250	0,80	2.0 ... 4.0	76	Normal	HSOF-8	53
IPB120N04S4L-02	OptiMOS™ T2	1,70	120	0,95	1.2 ... 2.2	143	Logic	TO-263-3	54
IPC100N04S5-1R7	OptiMOS™ 5	1,70	100	1,30	2.2 ... 3.4	62	Normal	TDSON-8	55
AUIRFS3004	Gen 10.7	1,75	240	0,40	2.0 ... 4.0	160	Normal	TO-263-3	56
IPB120N04S4-02	OptiMOS™ T2	1,80	120	0,95	2.0 ... 4.0	103	Normal	TO-263-3	57
AUIRFS8407	Gen 12.7	1,80	195	0,65	2.2 ... 3.9	150	Normal	TO-263-3	58
AUIRFSL8407	Gen 12.7	1,80	195	0,65	2.2 ... 3.9	150	Normal	TO-262-3	59
IPP120N04S4-02	OptiMOS™ T2	1,80	120	0,95	2.0 ... 4.0	103,0	Normal	TO-220-3	60
AUIRF7737L2	Gen 10.7	1,90	156	1,8(j-can), 0,5(j-PCB)	2.0 ... 4.0	89	Normal	DirectFET2-Large	61
AUIRF8736M2	Gen 12.7	1,90	137	2,4(j-can), 1,0(j-PCB)	2.2 ... 3.9	136	Normal	DirectFET2-Medium	62
IPD100N04S4L-02	OptiMOS™ T2	1,90	100	1,00	1.2 ... 2.2	126	Logic	TO-252-3	63
IPC100N04S5L-1R9	OptiMOS™ 5	1,90	100	1,50	1.2 ... 2.0	61	Logic	TDSON-8	64
IPC100N04S5-1R9	OptiMOS™ 5	1,90	100	1,50	2.2 ... 3.4	50	Normal	TDSON-8	65
AUIRFR8405	Gen 12.7	1,98	100	0,92	2.2 ... 3.9	103	Normal	TO-252-3	66
IPD100N04S4-02	OptiMOS™ T2	2,00	100	1,00	2.0 ... 4.0	91	Normal	TO-252-3	67
AUIRFB8407	Gen 12.7	2,00	195	0,65	2.2 ... 3.9	150	Normal	TO-220-3	68
IAUC100N04S6L020	OptiMOS™ 6	2,00	100	2,00	1.2 ... 2.0	34,0	Logic	TDSON-8	69
IPB90N04S4-02	OptiMOS™ T2	2,10	90	1,00	2.0 ... 4.0	91	Normal	TO-263-3	70
IP1120N04S4-02	OptiMOS™ T2	2,10	120	0,95	2.0 ... 4.0	103	Normal	TO-262-3	71
IAUC100N04S6N022	OptiMOS™ 6	2,20	100	2,00	2.2 ... 3.0	29,0	Normal	TDSON-8	72
AUIRF2804	Gen 10.2	1,50	195	0,50	2.0 ... 4.0	160,0	Normal	TO-220-3	73
AUIRF2804S	Gen 10.2	1,50	195	0,50	2.0 ... 4.0	160,0	Normal	TO-263-3	74
AUIRF2804L	Gen 10.2	1,50	195	0,50	2.0 ... 4.0	160,0	Normal	TO-262-3	75
AUIRF2804S-7P	Gen 10.2	1,60	240	0,50	2.0 ... 4.0	179,0	Normal	TO-263-7	76

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
AUIRF2804WL	Gen 10.2	1,80	240	0,50	2.0 ... 4.0	150,0	Normal	TO-262-WideLead	77
AUIRF8405	Gen 12.7	2,30	120	0,92	2.2 ... 3.9	107	Normal	TO-263-3	78
IPD90N04S4-02	OptiMOS™ T2	2,40	90	1,00	2.0 ... 4.0	91	Normal	TO-252-3	79
IPB100N04S4-H2	OptiMOS™ T2	2,40	100	1,30	2.0 ... 4.0	70	Normal	TO-263-3	80
IPI90N04S4-02	OptiMOS™ T2	2,50	90	1,00	2.0 ... 4.0	91	Normal	TO-262-3	81
AUIRF8405	Gen 12.7	2,50	120	0,92	2.2 ... 3.9	107	Normal	TO-220-3	82
IAUC100N04S6L025	OptiMOS™ 6	2,50	100	2,40	1.2 ... 2.0	25,0	Logic	TDSO8-8	83
IPC100N04S5L-2R6	OptiMOS™ 5	2,60	100	2,00	1.2 ... 2.0	41	Logic	TDSO8-8	84
IPC100N04S5-2R8	OptiMOS™ 5	2,80	100	2,00	2.2 ... 3.4	34	Normal	TDSO8-8	85
IPZ40N04S5L-2R8	OptiMOS™ 5	2,80	40	2,10	1.2 ... 2.0	39	Logic	TDSO8-8	86
IAUC100N04S6N028	OptiMOS™ 6	2,80	100	2,40	2.2 ... 3.0	22,0	Normal	TDSO8-8	87
AUIRF7736M2	Gen 10.7	3,00	108	2,4(j-can), 1,0(j-PCB)	2.0 ... 4.0	72	Normal	DirectFET2-Medium	88
AUIRL7736M2	Gen 10.7	3,00	112	2,4(j-can), 1,0(j-PCB)	1.0 ... 2.5	52	Logic	DirectFET2-Medium	89
IPZ40N04S5-3R1	OptiMOS™ 5	3,10	40	2,10	2.2 ... 3.4	31	Normal	TDSO8-8	90
AUIRFR8403	Gen 12.7	3,10	100	1,52	2.2 ... 3.9	66	Normal	TO-252-3	91
AUIRFU8403	Gen 12.7	3,10	100	1,52	2.2 ... 3.9	66	Normal	TO-251-3	92
AUIRL1404ZS	Gen 10.2	3,10	160	0,75	1.4 ... 2.7	75	Logic	TO-263-3	93
AUIRF1404Z	Gen 10.2	3,10	160	0,75	2.0 ... 4.0	100	Normal	TO-220-3	94
AUIRF1404ZS	Gen 10.2	3,10	160	0,75	2.0 ... 4.0	100	Normal	TO-263-3	95
IPD90N04S4-03	OptiMOS™ T2	3,20	90	1,60	2.0 ... 4.0	51	Normal	TO-252-3	96
IAUC80N04S6L032	OptiMOS™ 6	3,20	80	3,00	1.2 ... 2.0	19,0	Logic	TDSO8-8	97
IPC90N04S5L-3R3	OptiMOS™ 5	3,30	90	2,40	1.2 ... 2.0	30	Logic	TDSO8-8	98
IPB80N04S4-03	OptiMOS™ T2	3,30	80	1,60	2.0 ... 4.0	51	Normal	TO-263-3	99
AUIRFSL8403	Gen 12.7	3,30	100	1,52	2.2 ... 3.9	62	Normal	TO-262-3	100
IPC90N04S5-3R6	OptiMOS™ 5	3,60	90	2,40	2.2 ... 3.4	24,5	Normal	TDSO8-8	101
IAUC80N04S6N036	OptiMOS™ 6	3,60	80	3,00	2.2 ... 3.0	17,0	Normal	TDSO8-8	102
IPI80N04S4-03	OptiMOS™ T2	3,70	80	1,60	2.0 ... 4.0	51	Normal	TO-262-3	103
IPP80N04S4-03	OptiMOS™ T2	3,70	80	1,60	2.0 ... 4.0	51	Normal	TO-220-3	104
IPD90N04S4L-04	OptiMOS™ T2	3,80	90	2,10	1.2 ... 2.0	46	Logic	TO-252-3	105
IAUC60N04S6L039	OptiMOS™ 6	3,90	60	3,60	1.2 ... 2.0	15,0	Logic	TDSO8-8	106
IPB80N04S4L-04	OptiMOS™ T2	4,00	80	2,10	1.2 ... 2.0	46	Logic	TO-263-3	107
IPD90N04S4-04	OptiMOS™ T2	4,10	90	2,10	2.0 ... 4.0	33	Normal	TO-252-3	108
IPC70N04S5L-4R2	OptiMOS™ 5	4,20	70	3,00	1.2 ... 2.0	22	Logic	TDSO8-8	109
IPB80N04S4-04	OptiMOS™ T2	4,20	80	2,10	2.0 ... 4.0	33	Normal	TO-263-3	110
AUIRFR8401	Gen 12.7	4,25	100	1,90	2.2 ... 3.9	42	Normal	TO-252-3	111
AUIRFU8401	Gen 12.7	4,25	100	1,90	2.2 ... 3.9	42	Normal	TO-251-3	112
IPP80N04S4L-04	OptiMOS™ T2	4,30	80	2,10	1.2 ... 2.0	46	Logic	TO-220-3	113
IAUC60N04S6N044	OptiMOS™ 6	4,40	60	3,60	2.2 ... 3.0	13,0	Normal	TDSO8-8	114
IPC70N04S5-4R6	OptiMOS™ 5	4,60	70	3,00	2.2 ... 3.4	18,2	Normal	TDSO8-8	115
IPI80N04S4-04	OptiMOS™ T2	4,60	80	2,10	2.0 ... 4.0	33	Normal	TO-262-3	116

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
IPP80N04S4-04	OptiMOS™ T2	4,60	80	2,10	2.0 ... 4.0	33	Normal	TO-220-3	117
IPZ40N04S5L-3R6	OptiMOS™ 5	3,60	40	2,60	1.2 ... 2.0	25	Logic	TSDSON-8	118
IPZ40N04S5-3R9	OptiMOS™ 5	3,90	40	2,60	2.2 ... 3.4	19	Normal	TSDSON-8	119
IPZ40N04S5L-4R8	OptiMOS™ 5	4,80	40	3,50	1.2 ... 2.0	22	Logic	TSDSON-8	120
AUIRLU3114Z	Gen 10.7	4,90	130	1,05	1.0 ... 2.5	40	Normal	TO-251-3	121
AUIRF7734M2	Gen 10.7	4,90	72	3,3(j-can), 1,0(j-PCB)	2.0 ... 4.0	48	Normal	DirectFET2-Medium	122
IPD90N04S4-05	OptiMOS™ T2	5,20	90	2,30	2.0 ... 4.0	33	Normal	TO-252-3	123
IPZ40N04S5-5R4	OptiMOS™ 5	5,40	40	3,50	2.2 ... 3.4	17	Normal	TSDSON-8	124
IPC50N04S5L-5R5	OptiMOS™ 5	5,50	50	3,60	1.2 ... 2.0	17	Logic	TDSON-8	125
IPC50N04S5-5R8	OptiMOS™ 5	5,80	50	3,60	2.2 ... 3.4	13	Normal	TDSON-8	126
IPD75N04S4-06	OptiMOS™ T2	5,90	75	2,60	2.0 ... 4.0	24,5	Normal	TO-252-3	127
IPB70N04S4-06	OptiMOS™ T2	6,20	70	2,60	2.0 ... 4.0	24,5	Normal	TO-263-3	128
IPI70N04S4-06	OptiMOS™ T2	6,50	70	2,60	2.0 ... 4.0	24,5	Normal	TO-262-3	129
IPP70N04S4-06	OptiMOS™ T2	6,50	70	2,60	2.0 ... 4.0	24,5	Normal	TO-220-3	130
AUIRL7732S2	Gen 10.7	6,60	58	3,7(j-can), 1,0(j-PCB)	1.0 ... 2.5	24	Logic	DirectFET2-Small	131
AUIRF7732S2	Gen 10.7	6,95	55	3,7(j-can), 1,0(j-PCB)	2.0 ... 4.0	30	Normal	DirectFET2-Small	132
IPD50N04S4L-08	OptiMOS™ T2	7,30	50	3,30	1.2 ... 2.0	23	Logic	TO-252-3	133
IPZ40N04S5L-7R4	OptiMOS™ 5	7,40	40	4,40	1.2 ... 2.0	13	Logic	TSDSON-8	134
IPD50N04S4-08	OptiMOS™ T2	7,90	50	3,30	2.0 ... 4.0	17,2	Normal	TO-252-3	135
IPZ40N04S5-8R4	OptiMOS™ 5	8,40	40	4,40	2.2 ... 3.4	10,3	Normal	TSDSON-8	136
IPD50N04S4-10	OptiMOS™ T2	9,30	50	3,70	2.0 ... 4.0	14	Normal	TO-252-3	137
AUIRFN8458	Gen 12.7	10,00	43	4,40	2.2 ... 3.9	22,0	Normal	dual PQFN	138
AUIRFN8459	Gen 12.7	2 x 5,90	50	3,00	2.2 ... 3.9	40	Normal	dual PQFN	139
IPG20N04S4L-07	OptiMOS™ T2	2 x 7,20	20	2,30	1.2 ... 2.2	39,0	Logic	dual TDSON-8	140
IPG20N04S4L-07A	OptiMOS™ T2	2 x 7,20	20	2,30	1.2 ... 2.2	39,0	Logic	dual TDSON-8	141
ITD50N04S4L-07	OptiMOS™ T2	2 x 7,20	50	3,20	1.2 ... 2.2	25,0	Logic	dual TO252-5	142
IPG20N04S4-08	OptiMOS™ T2	2 x 7,60	20	2,30	2.0 ... 4.0	28,0	Normal	dual TDSON-8	143
IPG20N04S4L-08A	OptiMOS™ T2	2 x 8,10	20	2,80	1.2 ... 2.2	30,0	Logic	dual TDSON-8	144
IPG20N04S4L-08	OptiMOS™ T2	2 x 8,20	20	2,80	1.2 ... 2.2	30,0	Logic	dual TDSON-8	145
IPG20N04S4-09A	OptiMOS™ T2	2 x 8,60	20	2,80	2.0 ... 4.0	21,7	Normal	dual TDSON-8	146
IPG20N04S4L-11	OptiMOS™ T2	2 x 11,60	20	3,70	1.2 ... 2.2	20,0	Logic	dual TDSON-8	147
IPG20N04S4L-11A	OptiMOS™ T2	2 x 11,60	20	3,70	1.2 ... 2.2	20,0	Logic	dual TDSON-8	148
IPG20N04S4-12	OptiMOS™ T2	2 x 12,20	20	3,70	2.0 ... 4.0	14,0	Normal	dual TDSON-8	149
IPG20N04S4-12A	OptiMOS™ T2	2 x 12,20	20	3,70	2.0 ... 4.0	14,0	Normal	dual TDSON-8	150
IPG20N04S4-18A	OptiMOS™ T2	2 x 18,40	20	5,60	2.0 ... 4.0	8,7	Normal	dual TDSON-8	151
IPG20N04S4L-18A	OptiMOS™ T2	2 x 18,00	20	5,60	1.2 ... 2.0	10,5	Logic	dual TDSON-8	152

N Channel Trench 60V

60V (Trench)

new
new
new

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IAUTN06S5N008	OptiMOS™ 5	0,76	510	0,42	2.2 ... 3.0	210	Normal	HSOF-8
IAUTN06S5N008G	OptiMOS™ 5	0,78	504	0,42	2.2 ... 3.0	210	Normal	HSOG-8
IAUTN06S5N008T	OptiMOS™ 5	0,79	503	0,42	2.2 ... 3.0	210	Normal	HDSOP-16
IAUC120N06S5N011	OptiMOS™ 5	1,10	120	0,80	2.0 ... 4.0	123	Normal	TDSON-8
IAUC120N06S5L011	OptiMOS™ 5	1,10	120	0,80	1.2 ... 2.2	123	Logic	TDSON-8
IAUC120N06S5L015	OptiMOS™ 5	1,50	120	0,9	1.2 ... 2.2	80	Logic	TDSON-8
AUIRF7749L2	Gen 10.7	1,50	345	0,44(j-can), 0,5(j-PCB)	2.0 ... 4.0	183	Normal	DirectFET2-Large
IAUC120N06S5N017	OptiMOS™ 5	1,70	120	0,90	2.2 ... 3.4	74	Normal	TDSON-8
IPB180N06S4-H1	OptiMOS™ T2	1,70	180	0,60	2.0 ... 4.0	208	Normal	TO-263-7
IPB120N06S4-H1	OptiMOS™ T2	2,00	120	0,60	2.0 ... 4.0	208	Normal	TO-263-3
IAUC120N06S5N022	OptiMOS™ 5	2,20	120	1,1	2.0 ... 4.0	59	Normal	TDSON-8
IAUC120N06S5L022	OptiMOS™ 5	2,20	120	1,1	1.2 ... 2.2	59	Logic	TDSON-8
IPB120N06S4-02	OptiMOS™ T2	2,40	120	0,80	2.0 ... 4.0	150	Normal	TO-263-3
IPB120N06S4-03	OptiMOS™ T2	2,80	120	0,90	2.0 ... 4.0	125	Normal	TO-263-3
IAUC120N06S5N032	OptiMOS™ 5	3,20	120	1,6	2.0 ... 4.0	36	Normal	TDSON-8
IAUC120N06S5L032	OptiMOS™ 5	3,20	120	1,60	1.2 ... 2.2	40	Logic	TDSON-8
IPB90N06S4L-04	OptiMOS™ T2	3,40	90	1,00	1.2 ... 2.2	133	Logic	TO-263-3
IPD100N06S4-03	OptiMOS™ T2	3,50	100	1,00	2.0 ... 4.0	99	Normal	TO-252-3
IPD90N06S4L-03	OptiMOS™ T2	3,50	90	1,00	1.2 ... 2.2	133	Logic	TO-252-3
IPD90N06S4-04	OptiMOS™ T2	3,80	90	1,00	2.0 ... 4.0	99	Normal	TO-252-3
IPD90N06S4L-05	OptiMOS™ T2	4,60	90	1,40	1.2 ... 2.2	83	Logic	TO-252-3
IAUZ40N06S5N050	OptiMOS™ 5	5,00	40	2,10	2.2 ... 3.4	23,5	Normal	TSDSON-8
IAUZ40N06S5L050	OptiMOS™ 5	5,00	40	2,10	1.2 ... 2.2	28	Logic	TSDSON-8
IPD90N06S4-05	OptiMOS™ T2	5,10	90	1,40	2.0 ... 4.0	62	Normal	TO-252-3
IPB80N06S4-05	OptiMOS™ T2	5,40	80	1,40	2.0 ... 4.0	62	Normal	TO-263-3
IPD90N06S4L-06	OptiMOS™ T2	6,30	90	1,90	1.2 ... 2.2	58	Logic	TO-252-3
IPB80N06S4L-07	OptiMOS™ T2	6,40	80	1,90	1.2 ... 2.2	58	Logic	TO-263-3
IPD90N06S4-07	OptiMOS™ T2	6,90	90	1,90	2.0 ... 4.0	43	Normal	TO-252-3
IPB80N06S4-07	OptiMOS™ T2	7,10	80	1,90	2.0 ... 4.0	43	Normal	TO-263-3
IAUC60N06S5L073	OptiMOS™ 5	7,30	60	2,90	1.2 ... 2.2	17,4	Logic	TDSON-8
IAUC60N06S5N074	OptiMOS™ 5	7,40	60	2,90	2.2 ... 3.4	15,4	Normal	TDSON-8
IPI80N06S4-07	OptiMOS™ T2	7,40	80	1,90	2.0 ... 4.0	43	Normal	TO-262-3
IPD50N06S4L-08	OptiMOS™ T2	7,80	50	2,10	1.2 ... 2.2	49	Logic	TO-252-3

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Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
IPB45N06S4L-08	OptiMOS™ T2	7,90	45	2,10	1.2 ... 2.2	49	Logic	TO-263-3	34
IPD50N06S4-09	OptiMOS™ T2	9,00	50	2,10	2.0 ... 4.0	36	Normal	TO-252-3	35
IPI45N06S4-09	OptiMOS™ T2	9,40	45	2,10	2.0 ... 4.0	36	Normal	TO-262-3	36
IAUC41N06S5L100	OptiMOS™ 5	10,00	41	3,60	1.2 ... 2.2	12,7	Logic	TDSON-8	37
IAUC41N06S5N102	OptiMOS™ 5	10,20	41	3,60	2.2 ... 3.4	12,5	Normal	TDSON-8	38
IAUZ40N06S5N105	OptiMOS™ 5	10,50	40	3,60	2.2 ... 3.4	12,6	Normal	TSDSON-8	39
IPD50N06S4L-12	OptiMOS™ T2	12,00	50	3,00	1.2 ... 2.2	30	Logic	TO-252-3	40
IAUZ30N06S5L140	OptiMOS™ 5	14,00	30	4,60	1.2 ... 2.3	9,4	Logic	TSDSON-8	41
IPD30N06S4L-23	OptiMOS™ T2	23,00	30	4,20	1.2 ... 2.2	16,1	Logic	TO-252-3	42
IPD25N06S4L-30	OptiMOS™ T2	30,00	25	5,10	1.2 ... 2.2	12,5	Logic	TO-252-3	43
AUIRF7640S2	Gen 10.7	36,00	21	5,0(j-can), 1,4(j-PCB)	3.0 ... 5.0	7,3	Normal	DirectFET2-Small	44
IPG20N06S4L-11	OptiMOS™ T2	2 x 11,20	20	2,30	1.2 ... 2.2	41	Logic	dual TDSON-8	45
IPG20N06S4L-11A	OptiMOS™ T2	2 x 11,20	20	2,30	1.2 ... 2.2	41	Logic	dual TDSON-8	46
IPG20N06S4L-14	OptiMOS™ T2	2 x 13,70	20	3,00	1.2 ... 2.2	30	Logic	dual TDSON-8	47
IPG20N06S4L-14A	OptiMOS™ T2	2 x 13,70	20	3,00	1.2 ... 2.2	30	Logic	dual TDSON-8	48
IPG20N06S4-15	OptiMOS™ T2	2 x 15,50	20	3,00	2.0 ... 4.0	22	Normal	dual TDSON-8	49
IPG20N06S4L-26	OptiMOS™ T2	2 x 26,00	20	4,50	1.2 ... 2.2	15	Logic	dual TDSON-8	50
IPG20N06S4L-26A	OptiMOS™ T2	2 x 26,00	20	4,50	1.2 ... 2.2	15	Logic	dual TDSON-8	51

N Channel Trench 75V to 100V

75V (Trench)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
AUIRF7759L2	Gen 10.7	2,30	160	1,2(j-can), 0,5(j-PCB)	2.0 ... 4.0	200	Normal	DirectFET2-Large

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80V (Trench)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IAUT300N08S5N011	OptiMOS™ 5	1,10	300	0,40	2.2 ... 3.8	178	Normal	HSOF-8
IAUS300N08S5N011	OptiMOS™ 5	1,10	300	0,40	2.2 ... 3.8	178	Normal	HSOG-8
IAUS300N08S5N011T	OptiMOS™ 5	1,10	300	0,40	2.2 ... 3.8	178	Normal	HDSOP-16
IAUT300N08S5N012	OptiMOS™ 5	1,20	300	0,40	2.2 ... 3.8	178	Normal	HSOF-8
IAUS300N08S5N012	OptiMOS™ 5	1,20	300	0,40	2.2 ... 3.8	178	Normal	HSOG-8
IAUS300N08S5N012T	OptiMOS™ 5	1,20	300	0,40	2.2 ... 3.8	178	Normal	HDSOP-16
IAUT300N08S5N014	OptiMOS™ 5	1,40	300	0,50	2.2 ... 3.8	144	Normal	HSOF-8
IAUS300N08S5N014	OptiMOS™ 5	1,40	300	0,50	2.2 ... 3.8	144	Normal	HSOG-8
IAUS300N08S5N014T	OptiMOS™ 5	1,40	300	0,50	2.2 ... 3.8	144	Normal	HDSOP-16
IAUA250N08S5N018	OptiMOS™ 5	1,80	250	0,63	2.2 ... 3.8	96	Normal	HSOF-5
IAUT240N08S5N019	OptiMOS™ 5	1,90	240	0,65	2.2 ... 3.8	100	Normal	HSOF-8
IAUS240N08S5N019	OptiMOS™ 5	1,90	240	0,65	2.2 ... 3.8	100	Normal	HSOG-8
IAUA220N08S5N021	OptiMOS™ 5	2,10	220	0,71	2.2 ... 3.8	81	Normal	HSOF-5
IPB180N08S4-02	OptiMOS™ T2	2,20	180	0,54	2.0 ... 4.0	128	Normal	TO-263-7
IAUT200N08S5N023	OptiMOS™ 5	2,30	200	0,70	2.2 ... 3.8	85	Normal	HSOF-8
IAUS200N08S5N023	OptiMOS™ 5	2,30	200	0,70	2.2 ... 3.8	85	Normal	HSOG-8
IAUA180N08S5N026	OptiMOS™ 5	2,60	180	0,84	2.2 ... 3.8	67	Normal	HSOF-5
IAUT165N08S5N029	OptiMOS™ 5	2,90	165	0,90	2.2 ... 3.8	70	Normal	HSOF-8
IAUS165N08S5N029	OptiMOS™ 5	2,90	165	0,90	2.2 ... 3.8	70	Normal	HSOG-8
IAUC100N08S5N031	OptiMOS™ 5	3,10	100	0,90	2.2 ... 3.8	59	Normal	TDSON-8
IAUC100N08S5N034	OptiMOS™ 5	3,40	100	1,10	2.2 ... 3.8	51	Normal	TDSON-8
IAUC100N08S5N043	OptiMOS™ 5	4,30	100	1,20	2.2 ... 3.8	43	Normal	TDSON-8
IPD90N08S4-05	OptiMOS™ T2	5,30	90	1,00	2.0 ... 4.0	68	Normal	TO-252-3
IAUC70N08S5N074	OptiMOS™ 5	7,40	70	1,80	2.2 ... 3.8	23	Normal	TDSON-8
IAUC64N08S5L075	OptiMOS™ 5	7,50	64	2,00	1.2 ... 2.0	28	Logic	TDSON-8
IAUC50N08S5L096	OptiMOS™ 5	9,60	50	2,50	1.2 ... 2.0	22	Logic	TDSON-8
IAUZ40N08S5N100	OptiMOS™ 5	10,00	40	2,20	2.2 ... 3.8	18,6	Normal	TSDSON-8

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Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IAUC50N08S5N102	OptiMOS™ 5	10,20	50	2,50	2.2 ... 3.8	16	Normal	TDSON-8
IPD50N08S4-13	OptiMOS™ T2	13,20	50	2,10	2.0 ... 4.0	30	Normal	TO-252-3
IAUC40N08S5L140	OptiMOS™ 5	14,00	40	2,70	1.2 ... 2.0	14,3	Logic	TDSON-8
IAUZ30N08S5N186	OptiMOS™ 5	18,60	30	3,70	2.2 ... 3.8	9,3	Normal	TSDSON-8
IAUC28N08S5L230	OptiMOS™ 5	23,00	28	3,90	1.2 ... 2.0	11,6	Logic	TDSON-8
IAUZ20N08S5L300	OptiMOS™ 5	30,00	20	5,00	1.2 ... 2.0	8,1	Logic	TSDSON-8

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100V (Trench)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IAUT300N10S5N014	OptiMOS™ 5	1,40	300	0,40	2.2 ... 3.8	166	Normal	HSOF-8
IAUS300N10S5N014	OptiMOS™ 5	1,40	300	0,40	2.2 ... 3.8	166	Normal	HSOG-8
IAUT300N10S5N015	OptiMOS™ 5	1,50	300	0,40	2.2 ... 3.8	166	Normal	HSOF-8
IAUS300N10S5N015T	OptiMOS™ 5	1,50	300	0,40	2.2 ... 3.8	166	Normal	HDSOP-16
IAUT260N10S5N019	OptiMOS™ 5	1,90	260	0,50	2.2 ... 3.8	128	Normal	HSOF-8
IAUS260N10S5N019T	OptiMOS™ 5	1,90	260	0,50	2.2 ... 3.8	128	Normal	HDSOP-16
IAUA210N10S5N024	OptiMOS™ 5	2,40	210	0,63	2.2 ... 3.8	91	Normal	HSOF-5
IPB180N10S4-02	OptiMOS™ T2	2,50	180	0,50	2.0 ... 3.5	156	Normal	TO-263-7
IAUA180N10S5N029	OptiMOS™ 5	2,90	180	0,68	2.2 ... 3.8	81	Normal	HSOF-5
IAUA170N10S5N031	OptiMOS™ 5	3,10	170	0,76	2.2 ... 3.8	67	Normal	HSOF-5
IPB180N10S4-03	OptiMOS™ T2	3,30	180	0,60	2.0 ... 3.5	108	Normal	TO-263-7
IAUT150N10S5N035	OptiMOS™ 5	3,50	150	0,90	2.2 ... 3.8	67	Normal	HSOF-8
IPB120N10S4-03	OptiMOS™ T2	3,50	120	0,60	2.0 ... 3.5	108	Normal	TO-263-3
AUIRF7769L2	Gen 10.7	3,50	124	1,2(j-can), 0,5(j-PCB)	2.0 ... 4.0	200	Normal	DirectFET2-Large
IAUC100N10S5L040	OptiMOS™ 5	4,00	100	0,90	1.2 ... 2.0	60	Logic	TDSON-8
IAUC100N10S5N040	OptiMOS™ 5	4,00	100	0,90	2.2 ... 3.8	60	Normal	TDSON-8
AUIRF7669L2	Gen 10.7	4,40	114	1,2(j-can), 0,5(j-PCB)	3.0 ... 5.0	81	Normal	DirectFET2-Large
AUIRFP4110	Gen 10.7	4,50	120	0,40	2.0 ... 4.0	150	Normal	TO-247-3
IPB120N10S4-05	OptiMOS™ T2	5,00	120	0,80	2.0 ... 3.5	70	Normal	TO-263-3
IAUC100N10S5L054	OptiMOS™ 5	5,40	100	1,15	1.2 ... 2.2	41,0	Logic	TDSON-8
IAUC90N10S5N062	OptiMOS™ 5	6,20	90	1,30	2.2 ... 3.8	36	Normal	TDSON-8
IPD90N10S4L-06	OptiMOS™ T2	6,60	90	1,10	1.1 ... 2.1	75	Logic	TO-252-3
IPD90N10S4-06	OptiMOS™ T2	6,70	90	1,10	2.0 ... 3.5	52	Normal	TO-252-3
IAUC60N10S5L110	OptiMOS™ 5	11,00	60	1,70	1.2 ... 2.2	18,5	Logic	TDSON-8
IPD70N10S3-12	OptiMOS™ T	11,10	70	1,20	2.0 ... 4.0	51	Normal	TO-252-3

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Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
IPB70N10S3-12	OptiMOS™ T	11,30	70	1,20	2.0 ... 4.0	51	Normal	TO-263-3	26
IPD70N10S3L-12	OptiMOS™ T	11,50	70	1,20	1.1 ... 2.1	60	Logic	TO-252-3	27
IPB70N10S3L-12	OptiMOS™ T	11,80	70	1,20	1.2 ... 2.4	60	Logic	TO-263-3	28
IAUZ40N10S5L120	OptiMOS™ 5	12,00	30	2,40	1.2 ... 2.2	17,4	Logic	TSDSON-8	29
IPD60N10S4L-12	OptiMOS™ T2	12,00	60	1,60	1.1 ... 2.1	38	Logic	TO-252-3	30
IPD60N10S4-12	OptiMOS™ T2	12,20	60	1,60	2.0 ... 3.5	26	Normal	TO-252-3	31
IAUZ40N10S5N130	OptiMOS™ 5	13,00	40	2,20	2.2 ... 3.8	17	Normal	TSDSON-8	32
IPD50N10S3L-16	OptiMOS™ T	15,00	50	1,50	1.2 ... 2.4	49	Logic	TO-252-3	33
IPB50N10S3L-16	OptiMOS™ T	15,40	70	1,50	1.2 ... 2.4	49	Logic	TO-263-3	34
IPG20N10S4L-22A	OptiMOS™ T2	2 x 22,00	20	2,50	1.1 ... 2.1	21,0	Logic	dual TDSO-8	35
IPG20N10S4L-22	OptiMOS™ T2	2 x 22,00	20	2,50	1.1 ... 2.1	21,0	Logic	dual TDSO-8	36
IAUZ30N10S5L240	OptiMOS™ 5	24,00	30	3,30	1.2 ... 2.2	9,5	Logic	TSDSON-8	37
IPD35N10S3L-26	OptiMOS™ T	24,00	35	2,10	1.2 ... 2.4	39	Logic	TO-252-3	38
IAUC26N10S5L245	OptiMOS™ 5	24,50	26	3,70	1.2 ... 2.2	8,5	Logic	TDSO-8	39
IPB35N10S3L-26	OptiMOS™ T	26,30	35	2,10	1.2 ... 2.4	30	Logic	TO-263-3	40
IAUC24N10S5L300	OptiMOS™ 5	30,00	24	3,90	1.2 ... 2.2	7,6	Logic	TDSO-8	41
IPD30N10S3L-34	OptiMOS™ T	31,00	30	2,60	1.2 ... 2.4	24	Logic	TO-252-3	42
IPG20N10S4L-35A	OptiMOS™ T2	2 x 35,00	20	3,50	1.1 ... 2.1	13,4	Logic	dual TDSO-8	43
IPG20N10S4L-35	OptiMOS™ T2	2 x 35,00	20	3,50	1.1 ... 2.1	13,4	Logic	dual TDSO-8	44
IPG20N10S4-36A	OptiMOS™ T2	2 x 36,00	20	3,50	2.0 ... 3.5	9,4	Normal	dual TDSO-8	45
IAUZ18N10S5L420	OptiMOS™ 5	42,00	18	5,00	1.2 ... 2.2	5,4	Logic	TSDSON-8	46
IPG16N10S4-61A	OptiMOS™ T2	2 x 61,00	16	5,20	2.0 ... 3.5	5,4	Normal	dual TDSO-8	47
IPG16N10S4L-61A	OptiMOS™ T2	2 x 61,00	16	5,20	1.1 ... 2.1	8,5	Logic	dual TDSO-8	48
IPG16N10S4-61	OptiMOS™ T2	2 x 61,00	16	5,20	2.0 ... 3.5	5,4	Normal	dual TDSO-8	49

N Channel Trench 120V to 300V

120V (Trench)

	Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
new	IAUTN12S5N017	OptiMOS™ 5	1,70	314	0,42	2.6 ... 3.6	111	Normal	HSOF-8	1
new	IAUTN12S5N018G	OptiMOS™ 5	1,80	310	0,42	2.6 ... 3.6	111	Normal	HSOG-8	2
new	IAUTN12S5N018T	OptiMOS™ 5	1,80	309	0,42	2.6 ... 3.6	111	Normal	HDSOP-16	3
	IPB100N12S3-05	OptiMOS™ T	4,80	100	0,50	2.0 ... 4.0	139	Normal	TO-263-3	4
	IPD70N12S3-11	OptiMOS™ T	11,10	70	1,20	2.0 ... 4.0	51	Normal	TO-252-3	5
	IPP70N12S3-11	OptiMOS™ T	11,30	70	1,20	2.0 ... 4.0	51	Normal	TO-220-3	6
	IPD35N12S3L-24	OptiMOS™ T	24,00	35	2,10	1.2 ... 2.4	30	Logic	TO-252-3	7
	IPD30N12S3L-31	OptiMOS™ T	31,00	30	2,60	1.2 ... 2.4	24	Logic	TO-252-3	8

150V (Trench)

	Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
	AUIRFP4568	Gen 10.7	5,90	171	0,29	3.0 ... 5.0	151	Normal	TO-247-3	1
	AUIRFS4115	Gen 10.7	12,10	99	0,40	3.0 ... 5.0	77	Normal	TO-263-3	2
	AUIRF7675M2	Gen 10.7	56,00	18	3,3(j-can), 1,4(j-PCB)	3.0 ... 5.0	21	Normal	DirectFET2-Medium	3

200V (Trench)

	Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
	AUIRFR4620	Gen 10.7	78,00	24	1,05	3.0 ... 5.0	25	Normal	TO-252-3	1

250V (Trench)

	Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
	IPB64N25S3-20	OptiMOS™ T	20	64	0,50	2.0 ... 4.0	67	Normal	TO-263-3	1
	AUIRF7799L2	Gen 10.7	38	35	1,2(j-can), 0,5(j-PCB)	3.0 ... 5.0	110	Normal	DirectFET2-Large	2
	IPB17N25S3-100	OptiMOS™ T	100	17	1,40	2.0 ... 4.0	14	Normal	TO-263-3	3
	IPD5N25S3-430	OptiMOS™ T	430	5	3,70	2.0 ... 4.0	5	Normal	TO-252-3	4

300V (Trench)

	Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
	AUIRFS6535	Gen 10.7	185,00	19	0,71	3.0 ... 5.0	38	Normal	TO-263-3	1

P Channel Trench 30V to 40V

30V (Trench)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
IPB80P03P4L-04	OptiMOS™-P2	4,10	-80	1,10	-2.0 ... -1.0	125	Logic	TO-263-3	1
IPP80P03P4L-04	OptiMOS™-P2	4,40	-80	1,10	-2.0 ... -1.0	125	Logic	TO-220-3	2
IPD90P03P4L-04	OptiMOS™-P2	4,50	-90	1,10	-2.0 ... -1.0	100	Logic	TO-252-3	3
IPD90P03P4-04	OptiMOS™-P2	4,50	-90	1,10	-4.0 ... -2.0	100	Normal	TO-252-3	4
IPD80P03P4L-07	OptiMOS™-P2	6,80	-80	1,70	-2.0 ... -1.0	80	Logic	TO-252-3	5
IPB80P03P4L-07	OptiMOS™-P2	6,90	-80	1,70	-2.0 ... -1.0	63	Logic	TO-263-3	6
IPD50P03P4L-11	OptiMOS™-P2	10,50	-50	2,60	-2.0 ... -1.0	42	Logic	TO-252-3	7

40V (Trench)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package	
IPB180P04P4L-02	OptiMOS™-P2	2,40	-100	1,00	-2.2 ... -1.7	220	Logic	TO-263-7	1
IPB180P04P4-03	OptiMOS™-P2	2,80	-100	1,00	-4.0 ... -2.0	190	Normal	TO-263-7	2
IPB120P04P4L-03	OptiMOS™-P2	3,00	-120	1,10	-2.2 ... -1.7	180	Logic	TO-263-3	3
IPP120P04P4L-03	OptiMOS™-P2	3,40	-120	1,10	-2.2 ... -1.7	180	Logic	TO-220-3	4
IPB120P04P4-04	OptiMOS™-P2	3,60	-120	1,10	-4.0 ... -2.0	158	Normal	TO-263-3	5
IPB80P04P4L-04	OptiMOS™-P2	4,20	-90	1,20	-2.2 ... -1.7	135	Logic	TO-263-3	6
IPD90P04P4L-04	OptiMOS™-P2	4,30	-90	1,20	-2.2 ... -1.7	135	Logic	TO-252-3	7
IPD90P04P4-05	OptiMOS™-P2	4,70	-90	1,20	-4.0 ... -2.0	118	Normal	TO-252-3	8
IPB80P04P4-05	OptiMOS™-P2	4,90	-80	1,20	-4.0 ... -2.0	118	Normal	TO-263-3	9
IPB80P04P4L-06	OptiMOS™-P2	6,40	-80	1,70	-2.2 ... -1.7	71	Logic	TO-263-3	10
IPD85P04P4L-06	OptiMOS™-P2	6,40	-85	1,70	-2.2 ... -1.7	80	Logic	TO-252-3	11
IPB80P04P4-07	OptiMOS™-P2	7,30	-80	1,70	-4.0 ... -2.0	71	Normal	TO-263-3	12
IPD85P04P4-07	OptiMOS™-P2	7,30	-85	1,70	-4.0 ... -2.0	69	Normal	TO-252-3	13
IPD70P04P4L-08	OptiMOS™-P2	7,80	-70	2,00	-2.2 ... -1.7	63	Logic	TO-252-3	14
IPB80P04P4L-08	OptiMOS™-P2	7,90	-80	2,00	-2.2 ... -1.2	71	Logic	TO-263-3	15
IPD70P04P4-09	OptiMOS™-P2	8,90	-70	2,00	-4.0 ... -2.0	54	Normal	TO-252-3	16
IPB70P04P4-09	OptiMOS™-P2	9,30	-70	2,00	-4.0 ... -2.0	54	Normal	TO-263-3	17
IPD50P04P4L-11	OptiMOS™-P2	10,60	-50	2,60	-2.2 ... -1.7	45	Logic	TO-252-3	18
IPD50P04P4-13	OptiMOS™-P2	12,60	-50	2,60	-4.0 ... -2.0	39	Normal	TO-252-3	19

N Channel Planar 30V to 75V

30V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IPD50N03S2L-06	OptiMOS™	6,40	50	1,10	1.2 ... 2.0	50	Logic	TO-252-3
IPD50N03S2-07	OptiMOS™	7,30	50	1,10	2.1 ... 4.0	52	Normal	TO-252-3
IPD30N03S2L-10	OptiMOS™	10,00	30	1,50	1.2 ... 2.0	31	Logic	TO-252-3
IPD30N03S2L-20	OptiMOS™	20,00	30	2,50	1.2 ... 2.0	14	Logic	TO-252-3
AUIRF7313Q	Gen 5	2 x 29,00	7	20,00	1.0 ... 3.0	22	Logic	SO-8
AUIRLR2703	Gen 5	45	20	3,30	1.0 ... NA	NA	Normal	TO-252-3

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40V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IPB160N04S2L-03	OptiMOS™	2,70	160	0,50	1.2 ... 2.0	230	Logic	TO-263-7
IPB160N04S2-03	OptiMOS™	2,90	160	0,50	2.1 ... 4.0	123	Normal	TO-263-7
IPB100N04S2-04	OptiMOS™	3,30	100	0,50	2.1 ... 4.0	172	Normal	TO-263-3
IPB80N04S2-04	OptiMOS™	3,40	80	0,50	2.1 ... 4.0	127	Normal	TO-263-3
IPB80N04S2-H4	OptiMOS™	3,70	80	0,50	1.2 ... 2.0	103	Normal	TO-263-3
AUIRF1404S	Gen 7	4,00	75	0,75	2.0 ... 4.0	131	Normal	TO-263-3
AUIRF1404	Gen 7	4,00	75	0,75	2.0 ... 4.0	131	Normal	TO-220-3

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50V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
AUIRF7103Q	Gen 5	2 x 130,00	3	20,00	1.0 ... 3.0	10	Logic	SO-8

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55V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IPB80N06S2L-H5	OptiMOS™	4,70	80	0,50	1.2 ... 2.0	145	Logic	TO-263-3
IPP100N06S2L-05	OptiMOS™	4,70	100	0,50	1.2 ... 2.0	170	Logic	TO-220-3
IPB80N06S2-H5	OptiMOS™	5,20	80	0,50	2.1 ... 4.0	116	Normal	TO-263-3
IPB80N06S2L-06	OptiMOS™	6,00	80	0,60	1.2 ... 2.0	114	Logic	TO-263-3
IPB80N06S2L-07	OptiMOS™	6,70	80	0,70	1.2 ... 2.0	95	Logic	TO-263-3
IPB80N06S2-09	OptiMOS™	8,80	80	0,80	2.1 ... 4.0	60	Normal	TO-263-3
IPB80N06S2L-11	OptiMOS™	10,70	80	0,95	1.2 ... 2.0	62	Logic	TO-263-3
IPP77N06S2-12	OptiMOS™	12,00	77	0,95	2.1 ... 4.0	45	Normal	TO-220-3
IPD50N06S2L-13	OptiMOS™	12,70	50	1,10	1.2 ... 2.0	52	Logic	TO-252-3
IPD30N06S2L-13	OptiMOS™	13,00	30	1,10	1.2 ... 2.0	52	Logic	TO-252-3
IPD50N06S2-14	OptiMOS™	14,40	50	1,10	2.1 ... 4.0	39	Normal	TO-252-3
IPD30N06S2-15	OptiMOS™	14,70	30	1,10	1.2 ... 2.0	39	Normal	TO-252-3
IPD30N06S2L-23	OptiMOS™	23,00	30	1,50	1.2 ... 2.0	33	Logic	TO-252-3

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Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IPD30N06S2-23	OptiMOS™	23,00	30	1,50	2.1 ... 4.0	25	Normal	TO-252-3
IPD26N06S2L-35	OptiMOS™	35,00	30	2,20	1.2 ... 2.0	10	Logic	TO-252-3
IPD25N06S2-40	OptiMOS™	40,00	29	2,20	2.1 ... 4.0	14	Normal	TO-252-3
IPD15N06S2L-64	OptiMOS™	64,00	19	3,20	1.2 ... 2.0	11	Logic	TO-252-3
IPD14N06S2-80	OptiMOS™	80,00	17	3,20	2.1 ... 4.0	8	Normal	TO-252-3
IPG20N06S2L-35	OptiMOS™	2 x 35,00	20	2,30	1.2 ... 2.2	18,0	Logic	dual TDSO-8
IPG20N06S2L-35A	OptiMOS™	2 x 35,00	20	2,30	1.2 ... 2.2	18,0	Logic	dual TDSO-8
IPG20N06S2L-50	OptiMOS™	2 x 50,00	20	2,90	1.2 ... 2.2	12,4	Logic	dual TDSO-8
IPG20N06S2L-50A	OptiMOS™	2 x 50,00	20	2,90	1.2 ... 2.2	12,4	Logic	dual TDSO-8
IPG20N06S2L-65	OptiMOS™	2 x 65,00	20	3,50	1.2 ... 2.2	10,0	Logic	dual TDSO-8
IPG20N06S2L-65A	OptiMOS™	2 x 65,00	20	3,50	1.2 ... 2.2	10,0	Logic	dual TDSO-8

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75V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
IPB80N08S2-07	OptiMOS™	7,10	80	0,50	2.1 ... 4.0	182	Normal	TO-263-3
IPD30N08S2L-21	OptiMOS™	20,50	30	1,10	1.2 ... 2.0	43	Logic	TO-252-3
IPD30N08S2-22	OptiMOS™	21,50	30	1,10	2.1 ... 4.0	44	Normal	TO-252-3
IPD22N08S2L-50	OptiMOS™	50,00	22	2,00	1.2 ... 2.0	21	Logic	TO-252-3

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P Channel Planar 30V to 150V

30V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
AUIRF7316Q	Gen 5	2 x 58,00	-4,9	N/A	-3.0 ... -1.0	23	Logic	SO-8

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100V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
AUIRF5210S	Gen 5	60,00	-38	0,75	-4.0 ... -2.0	150	Normal	TO-263-3
AUIRF5410	Gen 5	205,00	-13	1,90	-4.0 ... -2.0	39	Normal	TO-252-3

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150V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
AUIRF6215S	Gen 5	290,00	-13	1,40	-4.0 ... -2.0	44	Normal	TO-263-3
AUIRF6215	Gen 5	295,00	-13	1,40	-4.0 ... -2.0	44	Normal	TO-252-3
AUIRF6215	Gen 5	290,00	-13	1,40	-4.0 ... -2.0	44	Normal	TO-220-3

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N+P Channel Planar 30V

30V (Planar)

Product Type	Technology	RDS(on) [mΩ] @ 10V	ID [A]	RthJC (max) [K/W]	VGS(th) (min-max) [V]	QG(typ) [nC]	Normal/ Logic level	Package
AUIRF7379Q	Gen 5	45 / 90	5,8 / -4,3	N/A	1.0 ... 3.0	25 / 25	Logic	SO-8
AUIRF7309Q	Gen 5	50 / 100	4,7 / -3,5	N/A	1.0 ... 3.0	25 / 25	Logic	SO-8