

INFINEON Power MOSFETs



This product is RoHS compliant.

N-CHANNEL MOSFETS - OPTIMOS® (CONT.)

Infineon's new OptiMOS®2 and OptiMOS®3 are a combination of the lowest available on-state resistance in comparable packages and lowest gate drive requirements. OptiMOS®3 30V MOSFETs feature excellent switching performance, they help to increase power density in the application and consequently they save energy.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package Type	VDS (Max.)(V)	RDS (ON) @ 10V (Max.)(mΩ)	ID (Max)(A)	IDpulse (Max.)(A)	Ptot (Max.)(W)	VGS(th) (Min.)(V)	VGS(th) (Max.)(V)	Qg (Typ.)	RthJC(Max.) (K/W)	Price Each			
												1	10	100	500
726-IPB039N10N3G	IPB039N10N3GXT	TO-263-7	100	3.9	160	640	214	2.0	3.5	88	0.7	3.23	3.03	2.51	1.87
726-IPB025N10N3G	IPB025N10N3GXT	TO-263-7	100	2.5	180	720	300	2.0	3.5	155	0.5	6.99	6.29	5.12	3.26
726-BSC190N12NS3GXT	BSC190N12NS3GXT	TDSON-8	120	19	44	176	69	2.0	4.0	26	1.8	1.62	1.35	1.17	.755
726-IPD110N12N3G	IPD110N12N3GXT	TO-252-3	120	11	75	300	136	2.0	4.0	49	1.1	1.42	1.37	1.27	1.07
726-BSC077N12NS3GXT	BSC077N12NS3GXT	TDSON-8	120	7.7	98	392	139	2.0	4.0	66	0.9	2.92	2.51	2.14	1.62
726-IPP048N12N3GXK	IPP048N12N3GXK	TO-220-3	120	4.8	100	400	300	2.0	4.0	137	0.5	4.78	4.26	3.49	2.38
726-IPP076N12N3GXK	IPP076N12N3GXK	TO-220-3	120	7.6	100	400	188	2.0	4.0	76	0.8	3.28	2.95	2.18	1.56
726-IPB038N12N3GXT	IPB038N12N3GXT	TO-263-3	120	3.8	120	480	300	2.0	4.0	158	0.5	4.69	4.53	4.17	3.07
726-IPP041N12N3GXK	IPP041N12N3GXK	TO-220-3	120	3.8	120	480	300	2.0	4.0	158	0.5	6.23	6.01	4.96	4.07
726-IPB036N12N3GXT	IPB036N12N3GXT	TO-263-7	120	3.6	180	720	300	2.0	4.0	158	0.5	5.16	4.99	4.58	3.37
726-IPP200N15N3G	IPP200N15N3GXK	TO-220-3	150	20	50	200	150	2.0	4.0	23	1.0	1.33	1.31	1.26	1.17
726-BSZ520N15NS3G	BSZ520N15NS3GXT	TDSON-8	150	52	21	84	57	2.0	4.0	8.7	2.2	1.50	1.32	1.05	.643
726-BSC520N15NS3GXT	BSC520N15NS3GXT	TDSON-8	150	52	21	84	57	2.0	4.0	8.7	2.2	1.50	1.32	1.05	.643
726-BSC190N15NS3G	BSC190N15NS3GXT	TDSON-8	150	19	50	200	125	2.0	4.0	23	1.0	3.07	2.76	2.25	1.53
726-IPB200N15N3G	IPB200N15N3GXT	TO-262-3	150	20	50	200	150	2.0	4.0	23	1.0	2.46	2.22	1.78	1.29
726-IPB320N20N3GXT	IPB320N20N3GXT	TO-263-3	200	32	34	136	136	2.0	4.0	22	1.1	2.89	2.57	2.11	1.51
726-IPD320N20N3G	IPD320N20N3GXT	TO-252-3	200	32	34	136	136	2.0	4.0	22	1.1	1.89	1.82	1.69	1.43
726-IPP320N20N3GXK	IPP320N20N3GXK	TO-220-3	200	32	34	136	136	2.0	4.0	22	1.1	3.28	2.82	2.22	1.51
726-BSC320N20NS3G	BSC320N20NS3GXT	TDSON-8	200	32	36	144	125	2.0	4.0	22	1.0	3.06	2.73	2.24	1.81
726-IPB107N20N3GXT	IPB107N20N3GXT	TO-263-3	200	10.7	88	352	300	2.0	4.0	65	0.5	6.70	6.03	4.95	4.02
726-BSC16DN25NS3G	BSC16DN25NS3G	TDSON-8	250	146	10.9	44	62.5	2	4	8.6	2	2.00	1.66	1.33	1.07
726-BSZ16DN25NS3G	BSZ16DN25NS3G	TDSON-8	250	146	10.9	44	62.5	2	4	8.6	2	2.09	1.73	1.39	1.28
726-BSC600N25NS3GXT	BSC600N25NS3GXT	TDSON-8	250	60	25	100	125	2.0	4.0	22	1.0	2.99	2.66	2.18	1.74
726-IPB600N25N3GXT	IPB600N25N3GXT	TO-263-3	250	60	25	100	136	2.0	4.0	22	1.1	2.23	2.15	1.81	1.26
726-IPP600N25N3GXK	IPP600N25N3GXK	TO-220-3	250	60	25	100	136	2.0	4.0	22	1.1	2.23	2.15	1.91	1.39
726-IPD600N25N3G	IPD600N25N3GXT	TO-252-3	250	60	25	100	136	2.0	4.0	22	1.1	1.67	1.61	1.49	1.36
726-IPB200N25N3GXT	IPB200N25N3GXT	TO-263-3	250	20	64	256	300	2.0	4.0	64	0.5	7.05	6.34	5.21	4.23
726-IPP200N25N3GXK	IPP200N25N3GXK	TO-220-3	250	20	64	256	300	2.0	4.0	64	0.5	8.46	7.61	6.09	4.90

P-CHANNEL MOSFETS - OPTIMOS®

Infineon's new OptiMOS®2 and OptiMOS®3 are a combination of the lowest available on-state resistance in comparable packages and lowest gate drive requirements. OptiMOS®3 30V MOSFETs feature excellent switching performance, they help to increase power density in the application and consequently they save energy.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package Type	VDS (Max.)(V)	RDS (ON) @ 10V (Max.)(mΩ)	ID (Max)(A)	IDpulse (Max.)(A)	Ptot (Max.)(W)	VGS(th) (Min.)(V)	VGS(th) (Max.)(V)	Qg (Typ.)	RthJC(Max.) (K/W)	Price Each			
												1	10	100	500
726-BSC080P03LSG	BSC080P03LS G	TDSON-8	-30	8.0	-30	-120	89	-2.2	-1.0	92	50	2.13	1.92	1.54	.98
726-SPD50P03LG	SPD50P03L G	TO-252-5	-30	7.0	-50	-200	150	-1.0	-2.0	95	1.0	2.24	1.91	1.56	1.21
726-BSL307SPL6327	BSL307SP L6327	TSOP6-6	-30	43	-5.5	-22	2	-1.0	-2.0	23.4	230	.77	.614	.46	.276
726-SPB80P06PG	SPB80P06P G	TO-263-3	-60	23	-80	-320	375	-2.1	-4.0	115	0.4	3.61	3.25	2.64	1.65
726-SPB08P06PG	SPB08P06P G	TO-263-3	-60	230	-80	-320	42	-2.1	-4.0	10	3.6	1.17	.935	.799	.442
726-SPB18P06PG	SPB18P06P G	TO-263-3	-60	130	-18.6	-74.8	80	-2.1	-4.0	22	1.85	1.38	1.21	.96	.715
726-SPD18P06P	SPD18P06P	TO-252-3	-60	130	-18.6	-74.4	80	-2.1	-4.0	22	1.85	1.12	1.00	.802	.728
726-BSR315PL6327	BSR315P L6327	SC-59-3	-60	800	-0.62	-2.48	0.5	-2.0	-1.0	4.0	250	.49	.45	.41	.233
726-SPD15P10PLG	SPD15P10PL G	TO-252-3	-100	200	-15	-60	128	-1.0	-2.0	47	1.17	1.93	1.66	1.40	1.05
726-SPD15P10PG	SPD15P10P G	TO-252-3	-100	240	-15	-60	128	-1.0	-2.0	37	1.17	1.93	1.66	1.40	1.05
726-SPD04P10PLG	SPD04P10PL G	TO-252-3	-100	850	-4.2	-16.8	38	-1.0	-2.0	12	3.9	.78	.65	.52	.49
726-SPD04P10PG	SPD04P10P G	TO-252-3	-100	1.0	-4.0	-16	38	-2.1	-4.0	9.0	3.9	.92	.774	.619	.583
726-BSP322PL6327	BSP322P L6327	SOT-223-4	-100	800	-1.0	-4.0	1.8	-2.0	-1.0	12.4	115	.81	.73	.66	.48
726-BSP321PL6327	BSP321P L6327	SOT-223-4	-100	0.9	-0.98	-3.9	1.8	-2.1	-4.0	9.0	115	.81	.73	.66	.48
726-BSR316PL6327	BSR316P L6327	SC59-3	-100	1.8	-0.36	-1.44	0.5	-2.0	-1.0	5.3	250	.52	.44	.384	.262
726-BSR92PL6327	BSR92P L6327	SC-59-3	-250	11	-0.14	-0.56	0.5	-2.0	-1.0	3.6	250	.61	.55	.50	.244

SMALL SIGNAL MOSFETS

Our small signal portfolio is specially suited for low power applications, e.g. for fast switching applications, or applications where low leakage current is required. We offer devices with breakdown voltages from 55V to 800V, in a broad variety of packages (green packages also available). Reliability and ruggedness define the performance of Infineon Small Signal MOSFETs.

Enhancement Mode

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												1	10	100	500
N-Channel															
726-BSP295L6327	BSP295L6327	SOT-223-4	60	300	1.8	7.2	1.8	0.8	2.0	14	115	.90	.777	.613	.327
726-BSP318SL6327	BSP318SL6327	SOT-223-4	60	90	2.6	10.4	1.8	1.2	2.0	14	100	.73	.60	.495	.264
726-BSS119L6327	BSS119 L6327	SOT-23-3	100	6.0	0.17	0.7	0.36	1.3	2.3	1.7	--	.68	.63	.585	.312
726-BSS123L6327	BSS123 L6327	SOT-23-3	100	6.0	0.17	0.7	0.36	0.8	1.8	1.8	115	.35	.252	.151	.071
726-BSP123L6327	BSP123L6327	SOT-223-4	100	6.0	0.37	1.5	--	0.8	1.8	1.6	115	.65	.52	.39	.289

