

# INFINEON Power MOSFETs



This product is RoHS compliant.



## N-CHANNEL 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.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package Type	V <sub>DS</sub> (Max.)	R <sub>DS</sub> (ON)	I <sub>D</sub> (Max.)	I <sub>D</sub> puls (Max.)	P <sub>tot</sub> (Max.)	V <sub>GS(th)</sub> (Min.)	V <sub>GS(th)</sub> (Max.)	Q <sub>G</sub> (Typ.)	R <sub>thJC</sub> (Max.)	Price Each			
												1	10	100	500
726-BSP123L6327	BSP123L6327	SOT223-4	100V	6	0.37A	1.5A	--	0.8V	1.8V	1.6nC	--				
726-BSS119L6327	BSS119 L6327	SOT23-3	100V	6	0.17A	0.7A	0.36W	1.3V	2.3V	1.7nC	--				
726-BSS123L6327	BSS123 L6327	SOT23-3	100V	6	0.17A	0.7A	0.36W	0.8V	1.8V	1.8nC	--				
726-BSS131L6327	BSS131 L6327	SOT23-3	240V	14	0.11A	0.4A	0.36W	0.8V	1.8V	2.1nC	--				
726-BSS87L6327	BSS87 L6327	SOT89-4	240V	6	0.26A	1A	1W	0.8V	1.8V	3.7nC	10K/W				
726-BSP89L6327	BSP89L6327	SOT223-4	240V	6	0.35A	1.4A	1.8W	0.8V	1.8V	4.3nC	--				
726-BSP295L6327	BSP295L6327	SOT223-4	50V	300	1.8A	7.2A	1.8W	0.8V	2.0V	14nC	--				
726-BSS670S2LL6327	BSS670S2L L6327	SOT23-3	55V	650	0.54A	2.2A	0.36W	1.2V	2.0V	1.7nC	--				
726-BSS138WL6327	BSS138W L6327	SOT323-3	60V	3.5	0.28A	1.12A	--	--	--	--	--				
726-BSS138NL6327	BSS138N L6327	SOT23-3	60V	3.5	0.23A	0.92A	0.36W	0.6V	1.4V	1nC	--				
726-BSS7728NL6327	BSS7728N L6327	SOT23-3	60V	5	0.2A	0.8A	0.36W	1.3V	2.3V	1nC	--				
726-SN7002NL6327	SN7002N L6327	SOT23-3	60V	5	0.2A	0.8A	0.36W	0.8V	1.8V	1nC	--				
726-SN7002WL6327	SN7002W L6327	SOT323-3	60V	5	0.23A	0.9A	0.5W	0.8V	1.8V	1nC	--				
726-BSP318SL6327	BSP318SL6327	SOT223-4	60V	90	2.6A	10.4A	1.8W	1.2V	2.0V	14nC	--				
726-SN7002NL6433	SN7002NL6433	SOT23-3	60V	5	0.2A	0.8A	0.36W	0.8V	1.8V	1nC	--				
726-BSS127L6327	BSS127 L6327	SOT23-3	600V	500	0.23A	0.1A	0.5W	1.4V	2.6V	1.4nC	350K/W				

## N-CHANNEL DEPLETION MOSFETS

Infineon N-Channel Depletion MOSFETs are available for values in a range from 60V to 600V. Areas of Application include e.g. power supply startup power, over-voltage protection, inrush-current limiter, off-line voltage reference, etc. In order to meet special requirements, the depletion MOSFETs are available with V<sub>GS(th)</sub> indicator on reel.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package Type	V <sub>DS</sub> (Max.)	R <sub>DS</sub> (ON)	I <sub>D</sub> (Max.)	I <sub>D</sub> puls (Max.)	P <sub>tot</sub> (Max.)	V <sub>GS(th)</sub> (Min.)	V <sub>GS(th)</sub> (Max.)	Q <sub>G</sub> (Typ.)	R <sub>thJC</sub> (Max.)	Price Each			
												1	10	100	500
726-BSS139L6327	BSS139 L6327	SOT23-3	250V	14	0.1A	0.4A	0.36W	-2.1V	-1.0V	2.3nC	350K/W				
726-BSS159NL6327	BSS159N L6327	SOT23-3	60V	3.5	0.23A	0.92A	0.36W	-3.5V	-2.4V	2.2nC	350K/W				
726-BSP149L6327	BSP149L6327	SOT223-4	200V	1.8	0.66A	2.6A	1.8W	-2.1V	-1.0V	11nC	70K/W				

## AUTOMOTIVE MOSFETS

Infineon's broad portfolio of Automotive MOSFET technologies offers best in-class performance and uncompromising reliability. Automotive Power MOSFETs provide 30V, 40V, 55V, 75V and 100V V<sub>DS</sub> range, current capability of up to 180A and R<sub>DS(on)</sub> as low as 1.6 mOhm to enable new automotive solutions.

For quantities of 1000 and up, call for quote.

N-Channel 30V MOSFETs															
726-IPB80N03S4L-02	IPB80N03S4L-02	TO263-3	30V	2.4	80A	80A	136W	1.0V	2.2V	110nC	1.1K/W				
726-IPD30N03S4L-14	IPD30N03S4L-14	TO252-3	30V	13.6	30A	120A	31W	1.0V	2.2V	11nC	4.9K/W				
726-IPB80N03S4L-03	IPB80N03S4L-03	TO263-3	30V	3.3	80A	80A	94W	1.0V	2.2V	60nC	1.6K/W				
726-IPD50N03S2L-06	IPD50N03S2L-06	TO252-3	30V	6.4	50A	50A	136W	1.2V	2.0V	50nC	1.1K/W				
N-Channel 40V MOSFETs															
726-IPB120N04S3-02	IPB120N04S3-02	TO263-3	40V	2	120A	480A	300W	2.1V	4.0V	160nC	0.5K/W				
726-IPB160N04S3H2	IPB160N04S3H2	TO263-7	40V	2.1	160A	640A	214W	2.1V	4.0V	110nC	0.7K/W				
726-IPB100N04S303	IPB100N04S3-03	TO263-3	40V	2.5	100A	400A	214W	2.1V	4.0V	110nC	0.7K/W				
726-IPB80N04S2-04	IPB80N04S2-04	TO263-3	40V	3.4	80A	320A	300W	2.1V	4.0V	127nC	0.5K/W				
726-IPB80N04S3-06	IPB80N04S3-06	TO263-3	40V	5.4	80A	320A	100W	2.1V	4.0V	36nC	1.5K/W				
726-IPD90N04S3-04	IPD90N04S3-04	TO252-3	40V	3.6	90A	360A	136W	2.1V	4.0V	60nC	1.1K/W				
N-Channel 55V MOSFETs															
726-IPB45N06S3-16	IPB45N06S3-16	TO263-3	55V	15.4	45A	180A	65W	2.1V	4.0V	43nC	2.3K/W				
726-IPD30N06S3L-20	IPD30N06S3L-20	TO252-3	55V	20	30A	120A	45W	1.2V	2.2V	32nC	3.3K/W				
726-IPD90N06S3-06	IPD90N06S3-06	TO252-3	55V	6	90A	380A	136W	2.1V	4V	110nC	1.1K/W				
726-IPD30N06S3-24	IPD30N06S3-24	TO252-3	55V	24	30A	120A	45W	2.1V	4V	27nC	3.3K/W				
726-IPD50N06S3L-13	IPD50N06S3L-13	TO252-3	55V	12.6	50A	200A	65W	1.2V	2.2V	50nC	2.3K/W				
726-IPD50N06S3-15	IPD50N06S3-15	TO252-3	55V	15	50A	200A	65W	2.1V	4V	43nC	2.3K/W				
726-IPD50N06S3L-06	IPD50N06S3L-06	TO252-3	55V	6	50A	200A	136W	1.2V	2.2V	129nC	1.1K/W				
726-IPD50N06S3L-08	IPD50N06S3L-08	TO252-3	55V	7.8	50A	200A	107W	1.2V	2.2V	90nC	1.4K/W				
726-IPD50N06S3-07	IPD50N06S3-07	TO252-3	55V	6.9	50A	200A	136W	2.1V	4V	110nC	1.1K/W				
726-IPD50N06S3-09	IPD50N06S3-09	TO252-3	55V	9	50A	200A	107W	2.1V	4V	77nC	1.4K/W				
726-IPD80N06S3-09	IPD80N06S3-09	TO252-3	55V	8.4	80A	320A	107W	2.1V	4V	76nC	1.4K/W				
726-IPB80N06S3L-06	IPB80N06S3L-06	TO263-3	55V	5.6	80A	320A	136W	1.2V	2.2V	131nC	1.1K/W				
726-IPD15N06S2L-64	IPD15N06S2L-64	TO252-3	55V	64	17A	76A	47W	1.2V	2.0V	11nC	3.2K/W				
726-IPD25N06S2-40	IPD25N06S2-40	TO252-3	55V	40	19A	116A	68W	2.1V	4.0V	14nC	2.2K/W				
726-IPD26N06S2L-35	IPD26N06S2L-35	TO252-3	55V	35	29A	120A	68W	1.2V	2.0V	10nC	2.2K/W				
726-IPD30N06S2-15	IPD30N06S2-15	TO252-3	55V	14.7	30A	120A	136W	1.2V	2.0V	39nC	1.1K/W				
726-IPD30N06S2L-23	IPD30N06S2L-23	TO252-3	55V	23	30A	120A	100W	1.2V	2.0V	33nC	1.5K/W				
726-IPD50N06S2-14	IPD50N06S2-14	TO252-3	55V	14.4	30A	200A	136W	2.1V	4.0V	39nC	1.1K/W				
726-IP177N06S3-09	IP177N06S3-09	TO262-3	55V	9.1	77A	308A	107W	2.1V	4V	77nC	1.4K/W				
726-IP180N06S3-07	IP180N06S3-07	TO262-3	55V	6.8	80A	320A	135W	2.1V	4V	113nC	1.1K/W				
726-IP180N06S3L-06	IP180N06S3L-06	TO262-3	55V	5.9	80A	320A	136W	2.1V	4V	131nC	1.1K/W				
726-IP180N06S3L-08	IP180N06S3L-08	TO262-3	55V	7.9	80A	320A	105W	1.2V	2.2V	89nC	1.4K/W				
726-IP125N06S3-25	IP125N06S3-25	TO262-3	55V	25.1	25A	100A	48W	2.1V	4V	27nC	3.3K/W				
726-IP145N06S3-16	IP145N06S3-16	TO262-3	55V	15.7	45A	180A	65W	2.1V	4V	43nC	2.3K/W				
726-IPP25N06S3-25	IPP25N06S3-25	TO220-3	55V	25.1	25A	100A	48W	2.1V	4V	27nC	3.3K/W				
726-IPP45N06S3L-13	IPP45N06S3L-13	TO220-3	55V	13.4	45A	180A	65 mW	1.2V	2.2V	50nC	2.3K/W				
726-IPP77N06S3-09	IPP77N06S3-09	TO220-3	55V	9.1	77A	308A	107W	2.1V	4V	77nC	1.4K/W				
N-Channel 75V MOSFETs															
726-IPD30N08S2L-21	IPD30N08S2L-21	TO252-3	75V	20.5	30A	120A	136W	2.1V	4.0V	43nC	1.1K/W				
N-Channel 100V MOSFETs															
726-IPB47N10S1L-26	IPB47N10S1L-26	TO263-3	100V	40	47A	188A	175W	1.2V	2.0V	90nC	0.85K/W				
P-Channel 30V MOSFETs															
726-IPP100P03P3L-04	IPP100P03P3L-04	TO-220-3	-30V	4	-100A	-400A	200W	-1.0V	-2.1V	150nC	0.65K/W				