

# 20 V - 60 V N-Channel MOSFETs

V <sub>DS</sub> (V)	MAX R <sub>DS(ON)</sub> @10V (mΩ)	MAX R <sub>DS(ON)</sub> @5V (mΩ)	MAX R <sub>DS(ON)</sub> @4.5V (mΩ)	MAX R <sub>DS(ON)</sub> @2.5V (mΩ)	I <sub>D</sub> (max) @ 25°C (A)	D <sup>2</sup> PAK (SOT404)	DPAK (SOT428)	SO8 (SOT96)	LFAK (SOT669)	I-pak (SOT533)	TO220AB (SOT78)	TO247 (SOT429)
20			2.5	3.2	121				PH2520U			
20	2.65		3.7		100				PH3120L			
20			5	5.7	21			PSMN006-20K				
20		16		30	38		PHD38N02LT					
25	1.8		2.7		100				<b><i>PH1825AL</i></b>			
25	2.5		3.9		100				PH2525L			
25	2.7		4		100				<b><i>PH2725AL</i></b>			
25	2.8		4.1		100				PH2625L			
25			2.9	3.7	113				PH2925U			
25	3.6		5.4		98				<b><i>PH3625AL</i></b>			
25	4	5			75	PHB152NQ03LTA					PHP152NQ03LTA	
25	4		6.2		99				PH4025L			
25	4.2		6.5		75		<b><i>PHD159NQ03LT</i></b>					
25	4.5		6.75		80				<b><i>PH4525AL</i></b>			
25	5.4		8.1		75				<b><i>PH5425AL</i></b>			
25	5.5		8.2		81.7				PH5525L			
25	5.8	7.5			75			PSMN005-25D				
25	6	7.5			75	PHB108NQ03LT	PHD108NQ03LT					
25	6.3		9.45		70				<b><i>PH6325AL</i></b>			
25	6.3		9.5		78				PH6325L			
25	6.3		10.6		75		<b><i>PHD97NQ03LT</i></b>					
25	6.6		10.9		75					PHU97NQ03LT		
25	7.2		10.8		68				<b><i>PH7225AL</i></b>			
25	8.1		12.15		65				<b><i>PH8125AL</i></b>			
25	9	13.5			75	PHB78NQ03LT	PHD78NQ03LT			PHU78NQ03LT	PHP78NQ03LT	
25	9	12			75						PHP83NQ03LT	
25	9		13		66				PH9025L			
25	9.5				75		<b><i>PHD77NQ03T</i></b>					
25	9.5				75					PHU77NQ03T		
25	10.5	13.6			66	PHB66NQ03LT	PHD66NQ03LT			PHU66NQ03LT	PHP66NQ03LT	
25	21	24			45	PHB45N03LTA						
30	2.0		3.0		100				<b><i>PH2030AL</i></b>			
30	2.8	4			75	PSMN003-30B					PSMN003-30P	
30	3		4.5		100				<b><i>PH3030AL</i></b>			
30	3.2		6.5		107				PH3230S			
30	3.3		4.5		100				PH3330L			
30	3.8	4.9			98				PH3830L			
30	3.8		5.7		35			<b><i>PHK3830L</i></b>				
30	4		6		98				<b><i>PH4030AL</i></b>			
30	4.8		7		84				PH4830L			
30	4.5		5.5		31			<b><i>PHK31NQ03LT</i></b>				
30	5		7.5		80				<b><i>PH5030AL</i></b>			
30	5.5	7			75		PHD101NQ03LT			PHU101NQ03LT	PHP101NQ03LT	
30	5.5		8		20			PSMN005-30K				
30	5.7	7.2			80				PH4530L			
30	5.7		8.5		80				PH5330E			
30	5.9		10		70				PH8030L			
30	6.5		9.8		75				<b><i>PH6530AL</i></b>			
30	6	9			75				<b><i>PHD6030L</i></b>			
30	6.5		7.7		28		PHK28NQ03LT					
30	7		10.5		70				<b><i>PH7030AL</i></b>			
30	7.9	10	11		68				PH7030L			
30	8	10			75		PHD82NQ03LT					
30	8		12		68				<b><i>PH8030AL</i></b>			
30	8		12		22			<b><i>PHK8030L</i></b>				
30	8.2		13.2		67				PH8230E			

types in **bold red** represent new products  
types in **bold red italic underlined** represent products in development

# 20 V - 60 V N-Channel MOSFETs

V <sub>DS</sub> (V)	MAX R <sub>DS(ON)</sub> @10V (mΩ)	MAX R <sub>DS(ON)</sub> @5V (mΩ)	MAX R <sub>DS(ON)</sub> @4.5V (mΩ)	MAX R <sub>DS(ON)</sub> @2.5V (mΩ)	I <sub>D</sub> (max) @ 25°C (A)	D <sup>2</sup> PAK (SOT404)	DPAK (SOT428)	SO8 (SOT96)	LFAK (SOT669)	I-pak (SOT533)	TO220AB (SOT78)	TO247 (SOT429)
30	8.9		12.5		20.3			<b>PHK18NQ03LT</b>				
30	9		13		12.5			SI4420DY				
30	9		13.5		65				<b><i>PH9030AL</i></b>			
30	9	13.5			71		<b><i>PHD9030L</i></b>					
30	9.9		13.5		63				PH9930L			
30	10	15.2			71		PHD71NQ03LT				PHP71NQ03LT	
30	13	17.7			63		PHD63NQ03LT				PHP63NQ03LT	
30	13.5		20		10			SI4410DY				
30	10.5		14		12			PHK12NQ03LT				
30	16.9		23.5		47				PH16030L			
30	17		22		43.4							
30	18.5		33		9			SI4800				<b><i>PHP36NQ03LT</i></b>
30	20		26		13			PHK13NQ03LT				
30	20		26		36		PHD36NQ03LT					
30	30	40	50		7			SI9410DY				
36	4	5	5.4		75	PSMN004-36B						
40	4.1				94				PH4840S			
40	5.2				75	PHB143NQ04T					PHP143NQ04T	
40	7.7		9.2		24			PHK24NQ04LT				
40	8				75	PHB101NQ04T					PHP101NQ04T	
40	7	9	10		75	PHB95NQ04LT						
55	3.7	4.2	4.4		75	PHB191NQ06LT					PHP191NQ06LT	
55					100							PSMN004-55W
55	5.8	6.3	6.7		75	PSMN005-55B					PSMN005-55P	
55	7.1				75	PHB119NQ06T					PHP119NQ06T	
55	8.3		9.9		85				PH955L			
55	10.5	12	13		75		PSMN010-55D					
55	16	19	21		60				PH1955L			
55	20				54						PHP54N06T	
55	36	40	45		40				PH3855L			
55	70	75			19		PHD21N06LT					
55	75				20	PHB20N06T					PHP20N06T	
55	70	75			19	PHB21N06LT					PHP21N06LT	
55	77				18		PHD20N06T					
60	3.6				75	PSMN004-60B						
60	14				73	PHB73N06T					PHP73N06T	
60	22				52						PHP52N06T	
60	37	40	43		32	PHB32N06LT					PHP32N06LT	
60	12				75						PHP83N06T	
60	150				10.3		PHD3055E				PHP3055E	

types in **bold red** represent new products  
types in **bold red italic underlined** represent products in development

