



P-channel MOSFETs

Selection guide 2023

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Power P-channel MOSFETs



Voltage [V]	TO-252 (DPAK)	TO-263 (D ² PAK)	TO-220	PQFN 3.3x3.3	SuperSO8	SO8	PQFN 2x2
-20						BSO201SP H R _{DS(on)} = 7.0 mΩ	
							IRLHS2242TRPBF** R _{DS(on)} = 31.0 mΩ
-30	IPD042P03L3 G R _{DS(on)} = 4.2 mΩ				BSC030P03NS3 G R _{DS(on)} = 3.0 mΩ BSC060P03NS3E G R _{DS(on)} = 6.0 mΩ; ESD	IRF9310 R _{DS(on)} = 4.6 mΩ IRF9317 R _{DS(on)} = 6.6 mΩ	
				BSZ086P03NS3 G R _{DS(on)} = 8.6 mΩ	IRFH9310 R _{DS(on)} = 4.6 mΩ	IRF9321 R _{DS(on)} = 7.2 mΩ	
	SPD50P03L G ^{1)*} R _{DS(on)} = 7.0 mΩ			BSZ086P03NS3E G R _{DS(on)} = 8.6 mΩ			
					BSC084P03NS3 G R _{DS(on)} = 8.4 mΩ		
				BSZ120P03NS3 G R _{DS(on)} = 12.0 mΩ		BSO301SP H R _{DS(on)} = 8.0 mΩ IRF9388TRPBF R _{DS(on)} = 11.9 mΩ	
						IRF9358 R _{DS(on)} = 16 mΩ; dual	
				BSZ180P03NS3 G R _{DS(on)} = 18.0 mΩ BSZ180P03NS3E G R _{DS(on)} = 18.0 mΩ; ESD			
							IRFHS9301TRPBF R _{DS(on)} = 37.0 mΩ
						IRF9362 R _{DS(on)} = 21 mΩ; dual IRF9335 R _{DS(on)} = 59 mΩ	
	-60	IPD380P06NM R _{DS(on)} = 38 mΩ	IPB110P06LM R _{DS(on)} = 11 mΩ	SPP80P06P H* R _{DS(on)} = 23.0 mΩ	ISZ810P06LM R _{DS(on)} = 81 mΩ	ISC240P06LM R _{DS(on)} = 24 mΩ	
IPD650P06NM R _{DS(on)} = 65 mΩ		SPB80P06P G* R _{DS(on)} = 23.0 mΩ			ISC800P06LM R _{DS(on)} = 80 mΩ		
SPD30P06P G* R _{DS(on)} = 75.0 mΩ							
IPD900P06NM R _{DS(on)} = 90 mΩ							
SPD18P06P G* R _{DS(on)} = 130.0 mΩ							
SPD09P06PL G* R _{DS(on)} = 250.0 mΩ							
IPD25DP06NM R _{DS(on)} = 250 mΩ							
SPD08P06P G* R _{DS(on)} = 300.0 mΩ							
-100	IPD40DP06NM R _{DS(on)} = 400 mΩ						
	SPD15P10PL G* R _{DS(on)} = 200.0 mΩ	IPB320P10LM R _{DS(on)} = 32 mΩ		ISZ24DP10LM R _{DS(on)} = 245 mΩ	ISC750P10LM R _{DS(on)} = 75 mΩ		
	SPD15P10P G* R _{DS(on)} = 240.0 mΩ	IPB330P10NM R _{DS(on)} = 33 mΩ	IPP330P10NM R _{DS(on)} = 33 mΩ				
	SPD04P10PL G* R _{DS(on)} = 850.0 mΩ	IPB19DP10NM R _{DS(on)} = 185 mΩ					
	IPD11DP10NM R _{DS(on)} = 111 mΩ						
	IPD18DP10LM R _{DS(on)} = 178 mΩ IPD19DP10NM R _{DS(on)} = 186 mΩ						
-150	IPD42DP15LM R _{DS(on)} = 420 mΩ	IPB720P15LM R _{DS(on)} = 72 mΩ		ISZ56DP15LM R _{DS(on)} = 560 mΩ ISZ75DP15LM R _{DS(on)} = 750 mΩ ISZ15EP15LM R _{DS(on)} = 1500 mΩ	ISC16DP15LM R _{DS(on)} = 160 mΩ		

Power MOSFETs complementary



Voltage [V]		PQFN 3.3x3.3	SO8
Complementary	-20/20	BSZ15DC02KD H**/** N: 55 mΩ, 5.1 A P: 150 mΩ, -3.2 A BSZ215C H**/** N: 55 mΩ, 5.1 A P: 150 mΩ, -3.2 A	
	-30/30		IRF9389 N: 27 mΩ, 6.8 A P: 64 mΩ, -4.6 A

www.infineon.com/pchannel
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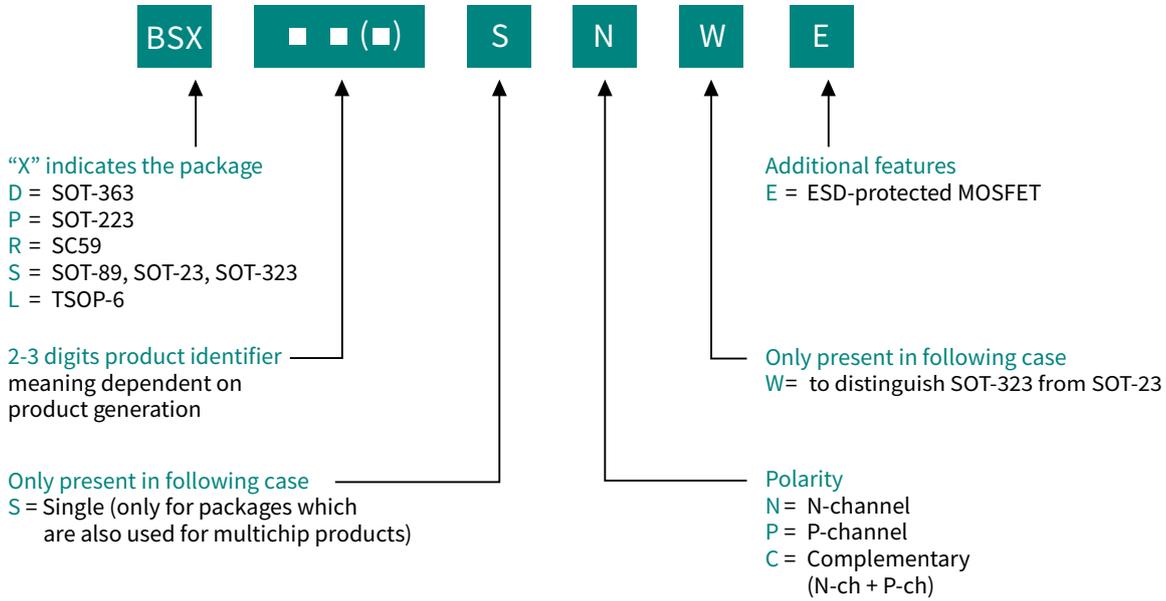
* Products are qualified to Automotive AEC Q101
 ** R_{DS(on)} specified at 4.5 V
 1) 5-leg

For more details on the product, click on the part number, visit infineon.com or contact our [product support](#).

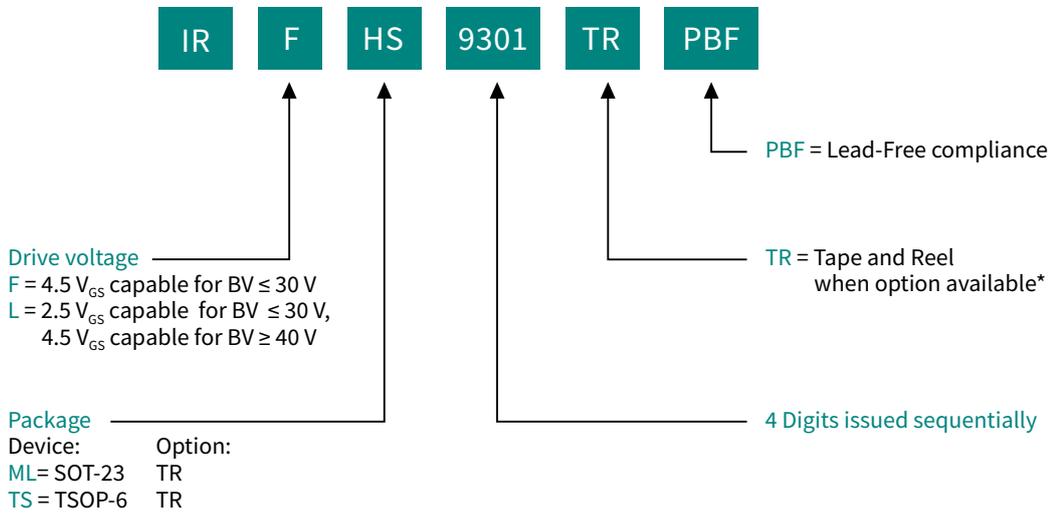


Nomenclature

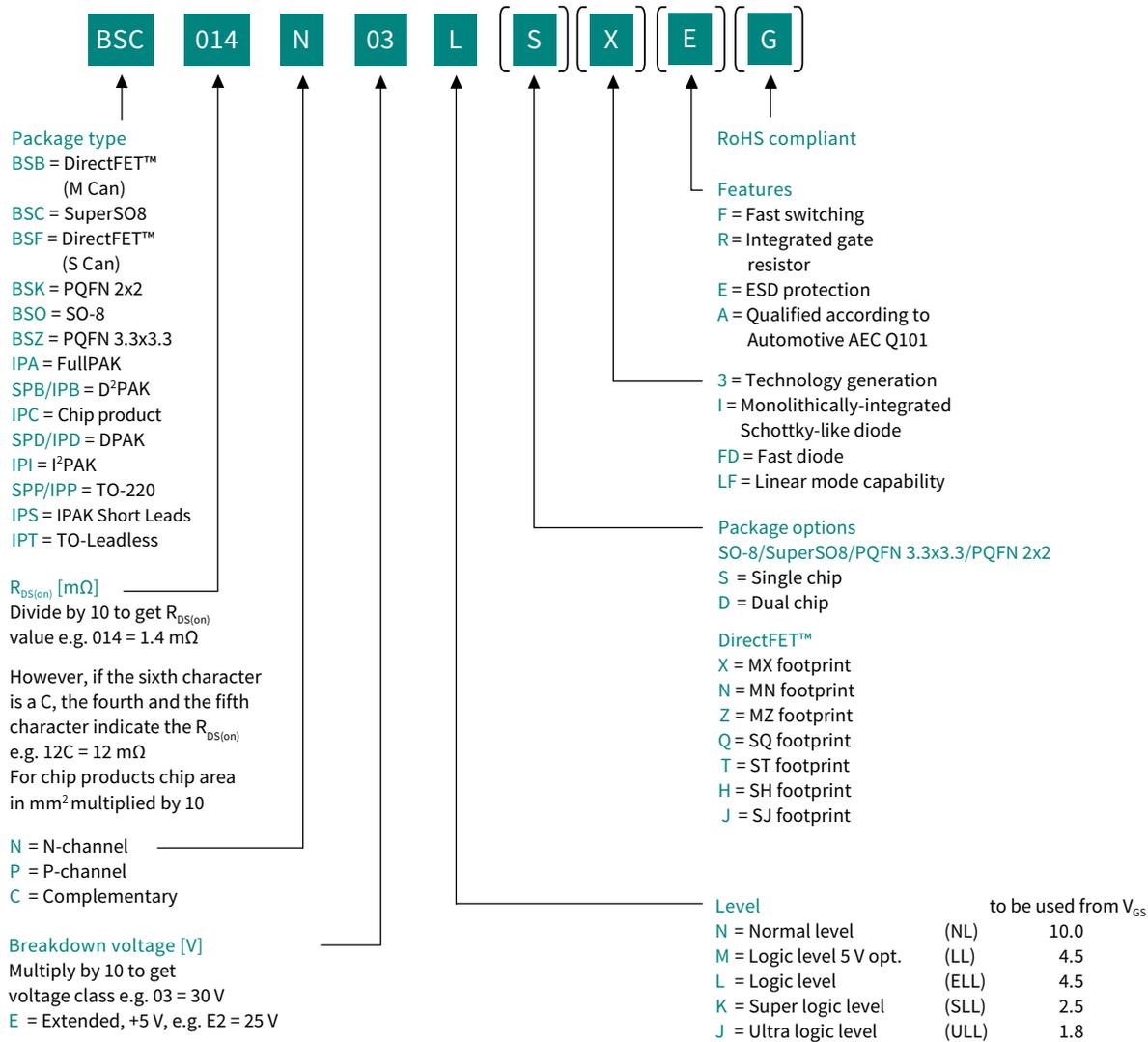
Small signal



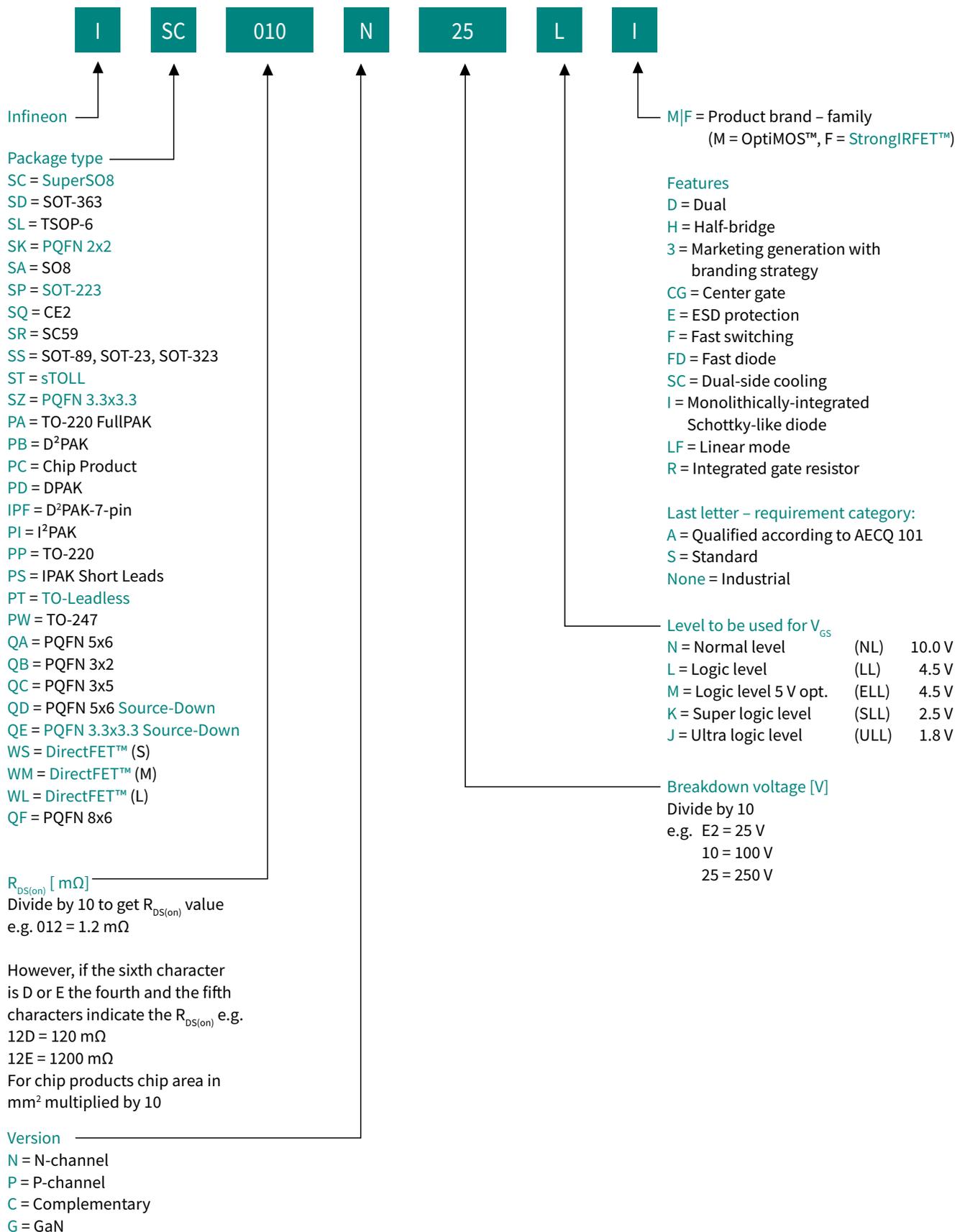
Small power



OptiMOS™



New nomenclature for OptiMOS™ and StrongIRFET™ MOSFETs (2019 onward)



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