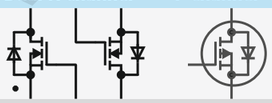
L x W [mm]	2.0 x 2.0		3.3 x 3.3		5.0 x 6.0			10 x 12	2 x 1.25		2.9 x 1.3				5.0 x 6.0		L x W [mm]
Diotec Semiconductor	QFN2x2		QFN3x3		QFN5x6 ~TDSON-8			TOLL ~HSOF-8	SOT-323		SOT-23		SOT-363		SO-8		Diotec Semiconductor
Power																	**Power**
	Pitch 0.65		Pitch 0.65		Pitch 1.27			Pitch 1.2	Pitch 1.3		Pitch 1.9		Pitch 0.65 | 0.65		Pitch 1.27		
	N channel	**P channel**	**N channel**	**P channel**	**N channel**		**P channel**	**N channel**	**N channel**	**P channel**	**N channel**	**P channel**	**Dual N channel**	**P channel**	**(Dual) N channel**	**(Dual) P channel**	
																	
	I_D 5 A ... 10 A	-5 A ... -6 A	1 A ... 75 A	-20 A ... -50 A	8 A ... 200 A		-70 A	280 A ... 320 A	0.1 A ... 3.5 A	-0.13 A	0.1 A ... 5.6 A	-0.13 A ... -4 A	0.115 A ... 1 A		3 A ... 8 A	4.7 A	I_D
V_{DS} 10..30		DI006P02PW	DI070N01PTK ▼						MMFTN3018W			MMFTP2333	MMFTN6190KDW ▼		DI003N03SQ2		12..30 V_{DS}
	DI005N03PW		DI035N02PT	DI035P02PT	**DI068N03PQ**	DI096N03PQ			MMFTN3479KW ▼		MMFTN3402	**MMFTP3401**		MMFTP6341KW ▼	DI014N03SQ	DI6A7P02SQ	
	DI010N03PW		**DI032N03PTK** ▼	DI050P02PT	**DI080N03PQ**						MMFTN2316K▼	**MMFTP3160**			DI3A5**C**03SQ	DI3A5**C**03SQK▼	
			DI040N03PT	DI028P03PT	**DI110N03PQ**						**MMFTN3404A**	**MMFTP3334K** ▼			DI8A6**C**03SQ		
			DI045N03PT	**DI050P03PT**	DI150N03PQ						**MMFTN3422K** ▼	**MMFTP3008K** ▼					
			DI048N03PTK ▼		DI170N03PQ				**Products in bold** are available in **AEC-Q101** qualified version – add suffix **-AQ** –		MMFTN3422ASK ▼	MMFTP3008AK	More MOSFETs see page MOSFETs - SiC MOS - IGBTs				
	40	DI005P04PW	**DI045N04PT**	**DI030P04PT**	**DI048N04PQ**	**DI057N04PQ**	**DI070P04PQ**	DI320N04TL				MMFTP332					
			DI048N04PT	**DI035P04PT**	**DI100N04PQ** QR		**DI100P04PQ**					**MMFTP2301**					
			DI050N04PT	**DI040P04PT**	**DI105N04PQ** QR			QR **App Note**			**MMFTN490K** ▼	**MMFTP2307A**					
			DI050N04BPT	**DI043P04PT**	**DI110N04PQ** QR						MMFTN20	**MMFTP245K** ▼			`H´ = H-Bridge		
			DI075N04PT	**DI100P04PT**	**DI145N04PQ** QR				MMFTN138W	MMFTP84W	**MMFTN138**	**MMFTP330K** ▼			DI006**H**03SQ		30/40
					DI150N04PQ						**MMFTN138K** ▼	**MMFTP4042K** ▼			DI7A6N04SQ2		40/50
					DI200N04PQ						MMFTN170	MMFTP84			DI006N04KSQ2▼		
	60	**DI006N06PW**	**DI025N06PT**	**DI013P06PT**	**DI017N06PQ**	**DI011N06PQK** ▼		**Battery Management System**			MMFTN6001▼	**MMFTP84K** ▼	**MMFTN620KDW** ▼		DI5A6**C**04SQ		
		DI004N06PWK ▼	**DI049N06PTK** ▼	**DI020P06PT**	DI060N06PQ	**DI075N06PQ**					2N7002|2N7002A	MMFTP84KS ▼	MMBT7002DW		DI005N06SQ2	DI4A7P06SQ2	60
			DI065N06PT		**DI080N06PQ**	DI081N06PQ	**DI067P06PQ**		2N7002W		**MMBT7001K** ▼	**MMFTP2319**	**MMBT7002KDW** ▼		`C´ = N+P		
			DI072N06PT		DI114N06PQ				2N7002PW		**MMBT7002K** ▼	**MMFTP2319A**					
					DI115N06PQ				**MMBT7002KW** ▼		**MMBT7002CK** ▼	**MMFTP5618**	**N+P channel**				
	80..100		**DI057N08PT**		**DI048N08PQ**			DI350N08TL	**2N7002KPW** ▼		**MMFTN2362**		MMFT8472DW		DI4A5**C**06SQ		
					DI075N08PQ	DI009N10PQ		DI280N10TL			**MMFTN122K** ▼						
	100	**DI002N10PWK** ▼	**DI034N10PT**		DI008N10PQ	DI101N10PQ		DI300N10BTL			MMFTN123				DI008N09SQ		90/100
			DI035N10PT		**DI045N10PQ** QR			**DI300N10TL**			**MMFTN123K** ▼				DI7A6N10SQ		100
			DI045N10PT		**DI100N10PQ** QR	DI110N10PQ		DI370N10TL			MMFTN210A						
	120..150		DI017N15PT		**DI110N15PQ** QR			DI374N12TL			**MMFTN340K** ▼				`SQ2´ = Dual		
								DI212N14TL			**MMFTN1092K** ▼						
	150..200				DI025N20PQ	**DI022N20PQ**		DI300N15TL			**MMFTN4520**						150
	250				DI025N25PQ						**MMFTN501K** ▼				DI0A4N45SQ2		450/600
[V]	650		**DI001N65PTK** ▼								MMFTN612K ▼						600 [V]
Dual	**QFN2x2-2**		**QFN3x3-2**		**QFN5x6-2** ~TDSON-8-4			▼ These parts include an ESD protection diode between Gate & Source. Diese Bauteile enthalten eine ESD-Schutzdiode zwischen Gate & Source	**SOT-883** DFN-1006		**MOSFETs**		**SOT-26**		**TO-92**		**Small Signal**
											Nomenclature Power MOSFETs: **DI X iii C vv YY** DI = Diotec; X = J - ITO-220AB, T - TO-220AB, W - TO-247-3L; iii = $I_{D(25°C)}$ in A; C = N or P channel, C - Complementary, H - H-Bridge config.; vv = V_{DSS}/10 in V; YY = D1 - D-PAK, D2 - D2PAK, PQ - QFN5x6, PT - QFN3x3, PW - QFNDual2, SQ - SO-8, TL - TOLL					
	Pitch 0.65		Pitch 0.65		Pitch 1.27				Pitch 0.65				Pitch 0.95 | 0.95		Pitch 2.54 | Tape		
	Dual N channel	**Dual N+P**	**Dual P channel**	**Dual N+P**	**Dual N channel**				**N channel**				**Dual N channel**	**(Dual) P channel**	**N channel**		
	20/30	DI4A0**C**02PW	**DI017P03PT2-AQ**						0.35 A				0.35 A ... 3 A	-1.6 A ... -3 A	0.2 A		
V_{DS}	30/40	**DI2A8N03PWK2** ▼		DI018**C**03PT	**DI038N04PQ2**	**DI048N04PQ2** QR			**DI0A35N06PGK** ▼				**MMFTN620KD** ▼	**MD06P115**	2N7000		60 V_{DS}
	40/60			**DI005C04PTK** ▼	**DI016N06PQ2**	**DI048N04PQA2**								MD10P380			100
				DI008**C**04PT	**DI035N06PQ2**	**DI050N06PQ2**							MMFT**C**3439K ▼	MMFTP6312D			60
[V]	100				**DI028N10PQ2**	**DI012N10PQK2** ▼							MMFT**C**6333	MMFT**C**6420			20/30 [V]
													`C´ = N+P channel				

For complete mechanical and electrical data refer to data sheet

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