Xiaomi M36	55 Mi S	coot	er 2	Clas	sic/F	Pro – F	Rese	arch	of s	spare	е МС	SFE	ETs				
Parameters	Characteristics	Drain-to-Source Breakdown Voltage	Continuous Drain Curret	Pulsed Drain Current	Maximum Power Dissipation	Static Drain-to-Source On-Resistance	Gate Charge Total	Turn On Delay Time	Rise Time	Turn Off Delay Time	Fall Time	Diode Continous Forward Current	Diode Pulse Current	Diode Forward Voltage	Diode Reverse Recovery Time	Diode Reverse Recovery Charge	Pricing @ mouser.com 1pcs, 2019-09-30
	Symbol	V _{DS}	I _D	I _{DM}	P _D	R _{DS(on)}	Q _g	t _{d(on)}	t _r	t _{d(off)}	t,	I _{SD}	I _{SDM}	V _{SD}	t _{rr}	Q _{rr}	Pric 1pc
Part Number – Manufacturer – Note	Unit	٧	Α	Α	W	mΩ	nC	ns	ns	ns	ns	Α	Α	٧	ns	nC	\$
CSD18536KCS – Texas Instruments – Too low Voltage		60	349	400	375	1,3	108	11	5	24	4	n/a	n/a	0,9	86	323	4,17
NCEP85T14 – NCE Power – It spoils		85	140	420	200	3,6	84	20	10	30	35	140	n/a	max. 1,2	83	194	n/a
STP15810 – STMicroelectronics – It spoils		100	110	440	250	3,6	117	33	57	72	33	110	440	max. 1,2	70	165	n/a
IPP120N10S4-03 – Infineon		100	120	480	250	3,4	108	20	10	45	40	120	480	1	80	170	4,5
SQP120N10-3m8 – Vishay / Siliconix		100	120	480	250	3	125	16	110	40	12	120	480	0,9	n/a	n/a	3,02
SQP120N10-09 – Vishay / Siliconix		100	120	480	375	7,9	120	21	24	52	16	120	480	0,9	n/a	n/a	2,83
SUP70040E – Vishay / Siliconix		100	120	480	375	3,2	76	15	22	55	15	n/a	480	0,8	n/a	n/a	2,92
IPP023N10N5 – Infineon Technologies		100	120	480	375	2	168	33	26	77	29	120	480	0,9	99	287	5,95
IRFB4310ZPbF – International Rectifier		100	127	560	250	4,8	120	20	60	55	57	127	560	max. 1,3	40	58	2,63
DMTH10H005SCT – Diodes Incorporated		100	140	400	187	5	111,7	29,9	30,3	79,7	41,6	100	400	max. 1,3	70	181	1,69
NCEP01T13 – NCE Power – Does it spoil?		100	150	500	220	3,7	100	20	78	50	16	135	n/a	max. 1,2	65	144	n/a
SUP70030E – Vishay / Siliconix		100	150	500	375	2,65	142,4	30	13	50	15	n/a	250	0,8	76	205	3,2
IRFB4110PbF – International Rectifier		100	180	670	370	3,7	150	25	67	78	88	170	670	max. 1,3	50	94	3,3
IRFB4110GPBF – International Rectifier – Halogen-free		100	180	670	370	3,7	150	25	67	78	88	170	670	max. 1,3	50	94	3,45
STP310N10F7 – STMicroelectronics		100	180	720	315	2,3	180	62	108	148	40	180	720	max. 1,5	85	200	6,27
STP315N10F7 – STMicroelectronics		100	180	720	315	2,3	180	62	108	148	40	180	720	max. 1,5	85	200	5,34
IRLB4030PbF – International Rectifier – Logic Level Drive		100	180	730	370	3,4	87	74	330	110	170	180	730	max. 1,3	50	88	3,72
CSD19535KCS – Texas Instruments		100	187	400	300	3,6	78	32	15	60	5	n/a	n/a	0,9	89	421	2,9
IRFS4010-7PPbF – International Rectifier – D²Pak 7 Pin Package		100	190	740	380	3,3	150	19	56	100	48	186	740	max. 1,3	60	150	3,3
TK100E10N1 – TOSHIBA		100	207	434	255	2,8	140	59	32	140	45	100	434	max. 1,2	93	220	3,64
FDP036N10A – ON Semiconductor / Fairchild		100	214	856	333	3,2	89	22	54	37	11	214	856	max. 1,25	72	129	3,83
FDP2D3N10C – ON Semiconductor / Fairchild		100	222	888	214	2,1	108	42	35	74	32	222	888	0,9	107	191	5,95
TK2R9E10PL – TOSHIBA		100	240	500	306	2,4	161	46	22	147	46	n/a	500	max. 1,5	75	150	3,03
CSD19536KCS – Texas Instruments		100	259	400	375	2,3	118	14	8	38	5	n/a	n/a	0,9	110	548	4,85
IPP041N12N3 – Infineon Technologies		120	120	480	300	3,5	158	35	52	70	21	120	480	0,9	123	356	5,56
TK72E12N1 – TOSHIBA		120	179	360	255	3,6	130	64	33	120	37	72	360	max. 1,2	110	290	2,31
IRFB4115PbF – International Rectifier		150	104	420	380	9,3	77	18	73	41	39	104	420	max. 1,3	86	300	3,09

Legend:
Originally used in the Xiaomi M365 Mi Scooter 2 Classic/Pro
Recommended in the "Manual 1.4.pdf" (72V 20S3P mod)
Recommended in the "Manual 1.4.pdf", but not fit well
Not usable
BOLD – Recommended