

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
FQP85N06	984-5739	99.00	95.00	79.00	66.00	--
FQP9N50	984-5747	73.00	70.00	58.00	48.00	--
FQP11N40	354-5106	78.00	75.00	62.00	51.00	--
ISL9N310AP3	NEW 101-7711	84.00	75.00	59.00	50.00	--
RFP8P05	273-820	50.00	44.00	39.00	33.00	--
RFP30P06	354-910	162.00	143.00	125.00	106.00	--
RFP40N10	301-0843	68.00	60.00	52.00	44.00	--
RFP40N10	984-5763	68.00	60.00	52.00	44.00	--
RFP50N06	516-466	45.00	40.00	37.00	33.00	--
RFP50N06	984-5771	45.00	40.00	37.00	33.00	--
RFP70N03	291-584	154.00	135.00	118.00	100.00	--
RFP70N06	526-599	75.00	66.00	58.00	49.00	--
RFP70N06	984-5780	75.00	66.00	58.00	49.00	--

TO-220, QFETS

NEW



Fairchild's proprietary, planar stripe, DMOS technology with the best-in-class ratio of performance and cost. This advanced technology minimizes on-state resistance, provides superior switching performance, and withstands high energy pulse in avalanche and commutation mode.

These devices are well suited for high efficiency switched-mode power supply, active power factor correction and electronic lamp ballast based on half-bridge topology and FPD system.

V <sub>DS</sub> V	R <sub>DS(on)</sub> typ. Ω	R <sub>DS(on)</sub> max. Ω	I <sub>D cont</sub> @ 25°C A	I <sub>D pulsed</sub> A	V <sub>GS(th)</sub> max. V	P <sub>D</sub> @ 25°C W	Mfrs. list No.
30	0.008	0.015	62	40	3.0	70	ISL9N310AP3
100	0.052	0.052	28	110	4	107	IRF540A
100	0.0085	0.010	90	360	4	250	FQP90N10V2
120	0.043	0.05	32	128	4	150	FQP32N12V2
150	0.034	0.04	45	180	4	220	FQP45N15V2
200	0.12	0.14	18	72	5	123	FQP18N20V2
200	0.14	0.17	19	19	4	139	FQP19N20C
400	0.43	0.53	10.5	42	4	135	FQP11N40C
500	0.65	0.8	8	32	4	134	IRF840B
500	0.225	0.265	18	72	5	208	FQP18N50V2
500	1.14	1.4	5	20	4	73	FQP5N50C
600	0.53	0.65	12	48	4	225	FQP12N60C
600	0.6	0.73	9.5	38	4	156	FQP10N60C
600	9.3	11.5	1.2	4.8	5	40	FQP1N60
600	3.6	4.7	1.35	8	4	54	FQP2N60C
600	2.8	3.6	3	12	5	75	FQP3N60
800	4	4.8	3	12	5	107	FQP3N80C
600	2	2.5	4.5	18	4	100	FQP5N60C
600	1.7	2	5.5	22	4	125	FQP6N60C
600	1	1.2	7.5	30	4	147	FQP8N60C
800	2.1	2.5	5.5	22	5	158	FQP6N80C
800	1.57	1.9	6.6	26.4	5	167	FQP7N80C
800	1.29	1.55	8	32	5	178	FQP8N80C
900	1.12	1.4	8	32	5	205	FQP9N90C
900	1.93	2.3	6	24	5	167	FQP6N90C

422760

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
ISL9N310AP3	101-7711	84.00	75.00	59.00	50.00	--
FQP10N60C	109-5054	86.00	65.00	54.00	40.00	--
FQP11N40C	109-5056	62.00	47.00	40.00	29.00	--
FQP12N60C	109-5057	98.00	73.00	61.00	46.00	--
FQP18N20V2	109-5058	60.00	45.00	37.00	28.00	--
FQP18N50V2	109-5059	161.00	121.00	101.00	75.00	--
FQP19N20C	109-5060	48.00	36.00	30.00	22.00	--
FQP1N60	109-5061	35.00	26.00	22.00	16.00	--
FQP2N60C	109-5062	34.00	25.00	22.00	16.00	--
FQP32N12V2	109-5063	46.00	35.00	29.00	22.00	--
FQP3N60	109-5064	42.00	32.00	27.00	20.00	--
FQP3N80C	109-5065	49.00	37.00	31.00	23.00	--
FQP45N15V2	109-5066	95.00	71.00	60.00	45.00	--
FQP5N50C	109-5068	43.00	32.00	27.00	20.00	--
FQP5N60C	109-5069	46.00	35.00	29.00	22.00	--
FQP6N60C	109-5070	54.00	40.00	34.00	24.00	--
FQP6N80C	109-5071	69.00	52.00	44.00	33.00	--
FQP6N90C	109-5072	80.00	60.00	50.00	37.00	--
FQP7N80C	109-5073	80.00	60.00	50.00	37.00	--
FQP8N60C	109-5074	59.00	44.00	37.00	28.00	--
FQP8N80C	109-5075	90.00	67.00	56.00	42.00	--
FQP90N10V2	109-5076	167.00	125.00	104.00	78.00	--
FQP9N90C	109-5077	126.00	95.00	80.00	59.00	--
IRF540A	109-5126	64.00	48.00	40.00	30.00	--
IRF840B	109-5127	67.00	51.00	42.00	32.00	--

TO-220



ON Semiconductor

V <sub>DS</sub> V	R <sub>DS(on)</sub> max. Ω	I <sub>D cont</sub> @ 25°C A	I <sub>D pulsed</sub> A	V <sub>GS(th)</sub> max. V	P <sub>D</sub> @ 25°C W	Mfrs. List No.
<b>N-Channel</b>						
50	0.009	75	225	4	150	MTP75N05HD
60	0.18	12	42	2	48	MTP3055VL
60	0.15	12	48	4	48	MTP3055V
60	0.12	15	45	4	55	MTP15N06V
60	0.05	30	105	2	90	MTP30N06VL
60	0.04	32	112	4	90	MTP36N06V
60	0.028	42	—	4	125	MTP50N06V
60	0.022	52	182	4	165	MTP52N06V
100	0.25	10	25	4.5	75	MTP10N10E
100	0.22	10	35	2	40	MTP10N10EL
100	0.22	10	35	2	40	MTP10N10ELG
100	0.077	27	108	4	125	IRF540
100	0.06	33	—	4	150	MTP33N10E
100	0.04	40	140	4	169	MTP40N10E
200	0.4	9	36	4	75	IRF630
400	1.8	4	12	4	74	MTP4N40E
500	5	1	3	4	40	MTP1N50E
500	6	2	6	4	75	MTP2P50E
500	6	2	6	4	75	MTP2P50EG
<b>P-Channel</b>						
30	0.0065	75	225	2	150	MTP1306
30	0.025	50	150	2.0	125	MTP50P03HDL
30	0.025	50	150	2.0	125	MTP50P03HDLG
60	0.2	12	42	4	60	MTP2955V
60	0.12	23	81	—	90	MTP23P06V
60	0.12	23	81	—	90	MTP23P06VG
60	0.08	30	105	4	125	MTP30P06V
100	0.3	12	—	—	88	MTP12P10
100	0.3	12	—	—	88	MTP12P10G
200	1	6	21	4	75	MTP6P20E
500	6	2	—	4	75	MTP2P50E

222085

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
MTP2P50E	707-983	150.00	120.00	98.00	--	--
MTP2P50EG	955-6893	145.00	116.00	96.00	--	--
MTP6P20E	448-930	131.00	109.00	93.00	80.00	--
MTP10N10EL	300-5124	99.00	82.00	62.00	48.00	--
MTP10N10ELG	955-6036	96.00	80.00	60.00	47.00	--
MTP12P10	707-995	112.00	92.00	70.00	54.00	--
MTP12P10G	955-6907	108.00	90.00	68.00	53.00	--
MTP1306	300-5628	181.00	144.00	119.00	--	--
MTP23P06V	259-639	126.00	124.00	112.00	98.00	--
MTP23P06VG	955-5927	106.00	88.00	66.00	52.00	--
MTP2955V	300-5653	56.00	47.00	35.00	27.00	--
MTP3055V	877-955	52.00	44.00	33.00	26.00	--
MTP3055VL	877-967	49.00	40.00	31.00	24.00	--
MTP30N06VL	300-5197	117.00	97.00	73.00	57.00	--
MTP30P06V	300-5227	106.00	88.00	66.00	52.00	--
MTP33N10E	708-094	145.00	116.00	96.00	--	--
MTP36N06V	259-640	83.00	69.00	52.00	41.00	--
MTP40N10E	300-5677	170.00	144.00	126.00	--	--
MTP50N06V	259-664	112.00	92.00	70.00	54.00	--
MTP50P03HDL	708-355	213.00	177.00	134.00	104.00	--
MTP50P03HDLG	955-7032	207.00	172.00	130.00	101.00	--
MTP52N06V	448-928	137.00	114.00	86.00	71.00	--

TO-220, N Channel 20V to 80V



Lead spacing=2.54  
Pin Out: (a) 1 g d/tab s, (b) 2 s g d/tab, 3

V <sub>DS</sub> V	R <sub>DS(on)</sub> Ω	I <sub>D cont</sub> @ 25°C A	I <sub>D pulsed</sub> A	P <sub>D</sub> @ 25°C W	Pin Out	Mfr.	Mfrs. list No.
20	0.009	77	308	87	a	IR	IRF3704PBF
20	0.0085	77	280	88	a	IR	IRF3706PBF
20	0.006	110	440	120	a	IR	IRF3711
20	0.006	110	440	120	a	IR	IRF3711PBF
20	0.0057	92	330	79	a	IR	IRF3712PBF
30	0.012	62	248	87	a	IR	IRF3708PBF
20	0.004	180	700	230	a	IR	IRF1302PBF
30	0.0095	59	230	57	a	IR	IRF3707ZPBF
30	0.009	90	360	120	a	IR	IRF3709PBF
30	0.0028	210	1000	230	a	IR	IRF3703PBF
30	0.0033	240	960	330	a	IR	IRF1503PBF
33	0.008	80	320	160	a	ST	STP80NS04Z**
40	0.055	120	470	140	a	IR	IRF4104PBF

Semiconductors - Discretes

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Compliant Non-compliant + Limited stock - RoHS replacement available  
RoHS