



T-39-13

A CORTON COMPANY

**POWER MOSFETs**

PART-NO	$V_{DS}$ (V)	$I_D$ 25°C (A)	$I_D$ 100°C (A)	$R_{DS}$ (ON) (ohms)	$C_{ISS}$ (PF)	$I_{DM}$ (A)	$P_D$ (W)	Package
IRF120	100	8	5	0.3	600	32	40	TO-3
IRF122	100	7	4	0.4	600	28	40	TO-3
IRF123	60	7	4	0.4	600	28	40	TO-3
IRF130	100	14	9	0.18	800	56	75	TO-3
IRF131	60	14	9	0.18	800	56	75	TO-3
IRF132	100	12	8	0.25	800	48	75	TO-3
IRF133	60	12	8	0.25	800	48	75	TO-3
IRF140	100	27	17	0.085	1600	108	125	TO-3
IRF141	60	27	17	0.085	1600	108	125	TO-3
IRF142	100	24	15	0.11	1600	96	125	TO-3
IRF143	60	24	15	0.11	1600	96	125	TO-3
IRF150	100	40	25	0.055	3000	160	150	TO-3
IRF151	60	40	25	0.055	3000	160	150	TO-3
IRF152	100	33	20	0.08	3000	132	150	TO-3
IRF153	60	33	20	0.08	3000	132	150	TO-3
IRF220	200	5	3	0.8	600	20	40	TO-3
IRF221	150	5	3	0.8	600	20	40	TO-3
IRF222	200	4	2.5	1.2	600	16	40	TO-3
IRF223	150	4	2.5	1.2	600	16	40	TO-3
IRF230	200	9	6	0.4	800	36	75	TO-3
IRF231	150	9	6	0.4	800	36	75	TO-3
IRF232	200	8	5	0.6	800	32	75	TO-3
IRF233	150	8	5	0.6	800	32	75	TO-3
IRF240	200	18	11	0.18	1600	72	125	TO-3
IRF241	150	18	11	0.18	1600	72	125	TO-3
IRF242	200	16	10	0.22	1600	64	125	TO-3
IRF243	150	16	10	0.22	1600	64	125	TO-3
IRF250	200	30	19	0.085	3000	120	150	TO-3
IRF251	150	30	19	0.085	3000	120	150	TO-3
IRF252	200	25	16	0.12	3000	100	150	TO-3
IRF253	150	25	16	0.12	3000	100	150	TO-3
IRF320	400	3	2	1.8	600	12	40	TO-3
IRF321	350	3	2	1.8	600	12	40	TO-3
IRF322	400	2.5	1.5	2.5	600	10	40	TO-3
IRF323	350	2.5	1.5	2.5	600	10	40	TO-3
IRF330	400	5.5	3.5	1.0	900	22	75	TO-3
IRF331	350	5.5	3.5	1.0	900	22	75	TO-3
IRF332	400	4.5	3	1.5	900	18	75	TO-3
IRF333	350	4.5	3	1.5	900	18	75	TO-3
IRF340	400	10	6	0.55	1600	40	125	TO-3
IRF341	350	10	6	0.55	1600	40	125	TO-3
IRF342	400	8	5	0.8	1600	32	125	TO-3
IRF343	350	8	5	0.8	1600	32	125	TO-3
IRF350	400	15	9	0.3	3000	60	150	TO-3
IRF351	350	15	9	0.3	3000	60	150	TO-3

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**POWER MOSFETs**

PART-NO	$V_{DS}$ (V)	$I_D$ 25°C (A)	$I_D$ 100°C	$R_{DS}$ (ON) (ohms)	$C_{ISS}$ (PF)	$I_{DM}$ (A)	$P_D$ (W)	Package
IRF352	400	13	8	0.4	3000	52	150	TO-3
IRF353	350	13	8	0.4	3000	52	150	TO-3
IRF420	500	2.5	1.5	3	400	10	40	TO-3
IRF421	450	2.5	1.5	3	400	10	40	TO-3
IRF422	500	2	1	4	400	8	40	TO-3
IRF423	450	2	1	4	400	8	40	TO-3
IRF430	500	4.5	3	1.5	800	18	75	TO-3
IRF431	450	4.5	3	1.5	800	18	75	TO-3
IRF432	500	4	2.5	2	800	16	75	TO-3
IRF433	450	4	2.5	2	800	16	75	TO-3
IRF440	500	8	5	0.85	1600	32	125	TO-3
IRF441	450	8	5	0.85	1600	32	125	TO-3
IRF442	500	7	4	1.1	1600	28	125	TO-3
IRF443	150	7	4	1.1	1600	28	125	TO-3
IRF450	500	13	8	0.4	3000	52	150	TO-3
IRF451	450	13	8	0.4	3000	52	150	TO-3
IRF452	500	12	7	0.5	3000	48	150	TO-3
IRF453	450	12	7	0.5	3000	48	150	TO-3
IRF510	100	4	2.5	0.6	150	16	20	TO-220
IRF511	60	4	2.5	0.6	150	16	20	TO-220
IRF512	100	3.5	2.0	0.8	150	14	20	TO-220
IRF513	60	3.5	2.0	0.8	150	14	20	TO-220
IRF520	100	8	5	0.3	600	32	40	TO-220
IRF521	60	8	5	0.3	600	32	40	TO-220
IRF522	100	7	4	0.4	600	28	40	TO-220
IRF523	60	7	4	0.4	600	28	40	TO-220
IRF530	100	14	9	0.18	800	56	75	TO-220
IRF531	60	14	9	0.18	800	56	75	TO-220
IRF532	100	12	8	0.25	800	48	75	TO-220
IRF533	60	12	8	0.25	800	48	75	TO-220
IRF540	100	27	17	0.085	1600	108	125	TO-220
IRF541	60	27	17	0.085	1600	108	125	TO-220
IRF542	100	24	15	0.11	1600	96	125	TO-220
IRF543	60	24	15	0.11	1600	96	125	TO-220
IRF610	200	2.5	1.5	1.5	150	10	20	TO-220
IRF611	150	2.5	1.5	1.5	150	10	20	TO-220
IRF612	200	2	1.25	2.4	150	8	20	TO-220
IRF613	150	2	1.25	2.4	150	8	20	TO-220
IRF620	200	5	3	0.8	600	20	40	TO-220
IRF621	150	5	3	0.8	600	20	40	TO-220
IRF622	200	4	2.5	1.2	600	16	40	TO-220
IRF623	150	4	2.5	1.2	600	16	40	TO-220
IRF630	200	9	6	0.4	800	36	75	TO-220
IRF631	150	9	6	0.4	800	36	75	TO-220
IRF632	200	8	5	0.6	800	32	75	TO-220

4

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T-39-13

A CORTON COMPANY

**POWER MOSFETS**

PART-NO	V <sub>DS</sub> (V)	I <sub>D</sub> 25°C (A)	I <sub>D</sub> 100°C (A)	R <sub>DS (ON)</sub> (ohms)	C <sub>ISS</sub> (PF)	I <sub>DM</sub> (A)	P <sub>D</sub> (W)	Package
IRF633	150	8	5	0.6	800	32	75	TO-220
IRF640	200	18	11	0.18	1600	72	125	TO-220
IRF641	150	18	11	0.18	1600	72	125	TO-220
IRF642	200	16	10	0.22	1600	64	125	TO-220
IRF643	150	16	10	0.22	1600	64	125	TO-220
IRF710	400	1.5	1	3.6	150	6	20	TO-220
IRF711	350	1.5	1	3.6	150	6	20	TO-220
IRF712	400	1.3	0.8	5	150	5	20	TO-220
IRF713	350	1.3	0.8	5	150	5	20	TO-220
IRF720	400	3	2	1.8	600	12	40	TO-220
IRF721	350	3	2	1.8	600	12	40	TO-220
IRF722	400	2.5	1.5	2.5	600	10	40	TO-220
IRF723	350	2.5	1.5	2.5	600	10	40	TO-220
IRF730	400	5.5	3.5	1	800	22	75	TO-220
IRF731	350	5.5	3.5	1	800	22	75	TO-220
IRF732	400	4.5	3	1.5	800	18	75	TO-220
IRF733	350	4.5	3	1.5	800	18	75	TO-220
IRF740	400	10	6	0.55	1600	40	125	TO-220
IRF741	350	10	6	0.55	1600	40	125	TO-220
IRF742	400	8	5	0.8	1600	32	125	TO-220
IRF743	350	8	5	0.8	1600	32	125	TO-220
IRF820	500	2.5	1.5	3	400	10	40	TO-220
IRF821	450	2.5	1.5	3	400	10	40	TO-220
IRF822	500	2	1	4	400	8	40	TO-220
IRF823	450	2	1	4	400	8	40	TO-220
IRF830	500	4.5	3	1.5	800	18	75	TO-220
IRF831	450	4.5	3	1.5	800	18	75	TO-220
IRF832	500	4	2.5	2	800	16	75	TO-220
IRF833	450	4	2.5	2	800	16	75	TO-220
IRF840	500	8	5	0.85	1600	32	125	TO-220
IRF841	450	8	5	0.85	1600	32	125	TO-220
IRF842	500	7	4	1.10	1600	28	125	TO-220
IRF843	450	7	4	1.10	1600	28	125	TO-220
IRFP140	100	27	17	0.085	1600	108	125	TO-3P
IRFP141	60	27	17	0.085	1600	108	125	TO-3P
IRFP142	100	24	15	0.11	1600	96	125	TO-3P
IRFP143	60	24	15	0.11	1600	96	125	TO-3P
IRFP150	100	40	25	0.055	3000	160	150	TO-3P
IRFP151	60	40	25	0.055	3000	160	150	TO-3P
IRFP152	100	33	20	0.08	3000	132	150	TO-3P
IRFP153	60	33	20	0.08	3000	132	150	TO-3P
IRFP240	200	18	11	0.18	1600	72	125	TO-3P
IRFP241	150	18	11	0.18	1600	72	125	TO-3P
IRFP242	200	16	10	0.22	1600	64	125	TO-3P
IRFP243	150	16	10	0.22	1600	64	125	TO-3P

5

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**POWER MOSFETs**

PART-NO	$V_{DS}$ (V)	$I_D$ 25°C (A)	$I_D$ 100°C (A)	$R_{DS}$ (ON) (ohms)	$C_{ISS}$ (PF)	$I_{DM}$ (A)	$P_D$ (W)	Package
IRFP250	200	30	19	0.085	3000	120	150	TO-3P
IRFP251	150	30	19	0.085	3000	120	150	TO-3P
IRFP252	200	25	16	0.12	3000	100	150	TO-3P
IRFP253	150	25	16	0.12	3000	100	150	TO-3P
IRFP340	400	10	6	0.55	1600	40	125	TO-3P
IRFP3411	350	10	6	0.55	1600	40	125	TO-3P
IRFP342	400	8	5	0.8	1600	32	125	TO-3P
IRFP343	350	8	5	0.8	1600	32	125	TO-3P
IRFP350	400	15	9	0.4	3000	60	150	TO-3P
IRFP351	350	15	9	0.4	3000	60	150	TO-3P
IRFP352	400	13	8	0.5	3000	52	150	TO-3P
IRFP353	350	13	8	0.5	3000	52	150	TO-3P
IRFP440	500	8	5	0.85	1600	32	125	TO-3P
IRFP441	450	8	5	0.85	1600	32	125	TO-3P
IRFP442	500	7	4	1.1	1600	28	125	TO-3P
IRFP443	450	7	4	1.1	1600	28	125	TO-3P
IRFP450	500	13	8	0.3	2000	52	150	TO-3P
IRFP451	450	13	8	0.3	2000	52	150	TO-3P
IRFP452	500	12	7	0.4	2000	48	150	TO-3P
IRFP453	450	12	7	0.4	2000	48	150	TO-3P

**FCI COMPONENTS LISTING**

BRIDGE RECTIFIERS ( 1.5 AMPS TO 35 AMPS, W, MDA, DF, KBL AND KBPC SERIES)

FAST RECOVERY RECTIFIERS (1, 1.5, 2.0, AND 3 AMPS, FROM 50 TO 1KV)

FAST RECOVERY HIGH VOLTAGE RECTIFIERS

HIGH VOLTAGE RECTIFIERS (200 MA AND 500 MA FROM 1500V TO 15KV)

HIGH EFFICIENCY RECTIFIERS

SCHOTTKY RECTIFIERS

ULTRA FAST RECOVERY RECTIFIERS

POWER TRANSISTORS (2N SERIES, AND ASSOCIATED FAMILY)

POWER MOSFETS

TRANSIENT VOLTAGE SUPPRESSORS

ADAPTERS AC TO AC, AC TO DC, DC TO DC. (UP TO 35 WATTS)

TRANSFORMERS DC-TO-DC CONVERTOR