

"Off The Shelf Inventory"

DIE samples available from stock!

MOSFET DIE	Channel	V _{DS}	I _D	R _{DS(ON)1}			R _{DS(ON)2}			V _{GS(th)}		Q _{G (typ)}	Die Size	
INDUSTRY PN		Volts	Amps	ohms	V _{GS}	I _{D1}	ohms	V _{GS}	I _{D2}	min	max	nC	mils	
Si1012D	N	20	0.35	0.70	4.5V	0.6A	1.25	1.8V	0.35A	0.45V	0.9V	0.75	17 X 17	
Si2302AD	N	20	2.4	0.115	2.5V	3.1A	0.085	-4.5V	-3.5A	0.65V	1.2V	4	30 X 68	
VN0300L	N	30	0.64	1.2	10V	1.0A	2	2.5V	0.25A	0.5V	2.0V	n/a	38 X 38	
Si2318C	N	40	5.6	0.042	10V	4.3A	0.051	4.5V	3.9A	1.2V	2.5V	2.9	52 x 32	
Si7848	N	40	16	.009	10V	16A	0.012	4.5V	13.8A	1.0V	3.0V	15	98 X 125	
Si1022	N	60	0.33	1.25	10V	0.5A	3.0	4.5V	0.2A	1.0V	2.5V	0.6	17 X 17	
2N6660	N	60	0.99	3.0	10V	1.0A	5.0	5.0V	0.3A	0.8	2.0	n/a	37 X 37	
Si3458BDV	N	60	4.1	0.1	10V	3.2A	0.128	4.5V	2.8A	1.5V	3.0V	7.1	52 x 32	
IRFC024D	N	60	17	0.10	10V	10A	n/a	n/a	n/a	2.0V	4.0V	25	102 X 126	
Si7460DP	N	60	18	0.0096	10V	18A	0.012	4.5V	16A	1.0V	1.3V	65	151 x 128	
IRFC044D	N	60	50	0.028	10V	31A	n/a	n/a	n/a	2.0V	4.0V	67	225 X 168	
SUP60N06-12P	N	60	60	0.012	10V	30A	n/a	n/a	n/a	2.5V	4.5V	33		
IRFC054D	N	60	70	0.014	10V	54A	n/a	n/a	n/a	2.0V	4.0V	160	257 X 257	
SUP90N10-8m2P	N	75	90	0.0082	10V	20A	n/a	n/a	n/a	2.8V	4.8V	58	172 x 142	
2N6661	N	90	0.9	4.0	10	1.0A	5.3	5.0V	0.3A	0.8	2.0	n/a	38 X 38	
VN88AFD	N	90	0.9	Same device as 2N6661, see for details										
Si7810DN	N	100	5.4	0.062	10V	5.4A	0.084	6.0V	4.6A	2.0V	4.5V	13.5	65 X 93	
IRFC110D	N	100	5.6	0.6	10V	3.4A	n/a	n/a	n/a	2.0V	4.0V	8.3	87 X 64	
Si7454DP	N	100	7.8	0.034	10V	7.8A	0.04	6.0V	7.2A	2.0V	4.0V	24	111 x 98	
Si4486EY	N	100	7.9	0.025	10V	7.9A	0.028	6.0V	7.5A	2.0V	n/r	36	156 x 98	
IRFC120D	N	100	9.2	0.27	10V	5.5A	n/a	n/a	n/a	2.0V	4.0V	16	115 X 82	
IRFC130D	N	100	14	0.16	10V	8.4A	n/a	n/a	n/a	2.0V	4.0V	26	106 X 148	
Si4090D	N	100	19.7	0.01	10V	15A	0.012	6.0V	10A	2.0V	3.3V	45.6	158 x 99	
IRFC140D	N	100	28	0.077	10V	17A	n/a	n/a	n/a	2.0V	4.0V	72	170 X 192	
SUD40N10-25	N	100	40	0.025	10V	40A	0.028	4.5V	20A	1.0V	3.0V	40	147 x 117	
SUM90N10-8m2P	N	100	90	0.0082	10V	20A	0.017	n/a	n/a	n/a	2.5V	3.5V	230 x 172	
IRFC220D	N	200	0.8	Obsolete, see SiHFC220D device for recommended replacement										
SiHFC220D	N	200	0.8	0.8	10V	0.48A	n/a	n/a	n/a	2.0V	4.0V	14 max	80 X 98	
IRFC210D	N	200	3.3	1.5	10V	2A	n/a	n/a	n/a	2.0V	4.0V	8.2	87 X 67	
IRFC230D	N	200	9	0.4	10V	5.4A	n/a	n/a	n/a	2.0V	4.0V	43	180 X 115	
IRFC240D	N	200	18	0.18	10V	11A	n/a	n/a	n/a	2.0V	4.0V	70	219 X 162	
IRFC250D	N	200	30	0.085	10V	18A	n/a	n/a	n/a	2.0V	4.0V	140	240 X 236	
BS107KL	N	240	0.2	4	10V	0.3A	6	2.5V	0.1A	0.8V	2.0V	4.87	49 x 32	
TN2404K	N	240	0.2	4	10V	0.3A	6	2.5V	0.1A	0.8V	2.0V	4.87	49 x 32	
Si7434D	N	250	3.8	0.155	10V	3.8A	0.162	6.0V	3.7A	2.0V	4.0V	34	151 x 99	
IRFC320D	N	400	3.3	1.8	10V	2.0A	n/a	n/a	n/a	2.0V	4.0V	20	136 X 98	
IRFC350D	N	400	16	0.3	10V	9.6A	n/a	n/a	n/a	2.0V	4.0V	150		
IRFC360D	N	400	23	0.2	10V	14A	n/a	n/a	n/a	2.0V	4.0V	210	353 X 245	
IRFC420D	N	500	2.5	3.0	10V	1.5A	n/a	n/a	n/a	2.0V	4.0V	24	98 X 136	
IRFC430D	N	500	4.5	1.5	10V	2.7A	n/a	n/a	n/a	2.0V	4.0V	38	175 X 115	
IRFC440D	N	500	8	0.85	10V	4.8A	n/a	n/a	n/a	2.0V	4.0V	63	227 X 170	
IRFC840AD	N	500	8.8	0.85	10V	5.3A	n/a	n/a	n/a	2.0V	4.0V	63	200 X 146	
IRFC450D	N	500	14	0.4	10V	8.4A	n/a	n/a	n/a	2.0V	4.0V	150	241 X 250	
IRFC460AD	N	500	20	0.27	10V	12A	n/a	n/a	n/a	2.0V	4.0V	210	348 X 245	
IRFC23N50LB	N	500	23	0.235	10V	14A	n/a	n/a	n/a	3.0V	5.0V	150	280 X 257	
SiHP22N60E	N	650	21	0.18	10V	11A	n/a	n/a	n/a	2.0V	4.0V	11 max	164 X 181	

"Off The Shelf Inventory"

DIE samples available from stock!

MOSFET DIE	Channel	V _{DS}	I _D	R _{DS(ON) 1}			R _{DS(ON) 2}			V _{GS(th)}		Q _{G (typ)}	Die Size	
INDUSTRY PN		Volts	Amps	ohms	V _{GS}	I _{D1}	ohms	V _{GS}	I _{D2}	min	max	nC	mils	
Si2305DS	P	-8	-4.1	0.071	-2.5V	-3.0A	0.052	-4.5V	-3.5A	-0.45V	-0.8V	10	68 X 30	
Si1013C	P	-20	-0.35	1.2	-4.5V	-0.35A	2.7	-1.8V	-0.15A	-0.45V	n/r	1.5	15 X 18	
Si3457CDV	P	-30	-4.1	0.074	-10V	-4.1A	0.113	-4.5V	-1.0A	-1.0V	-3.0V	5.1	46 x 32	
Si3457BDV	P	-30	-5.0	<i>obsolete, see Si3457CDV or SQ3481EV as recommended replacements</i>										
SQ3481EV	P	-30	-7.5	0.043	-10V	-5.3A	0.07	-4.5V	-2.0A	-1.5V	-2.5V	15.4	60 x 45	
Si4825DY	P	-30	-14.9	0.0125	-10V	-10A	0.0205	-4.5V	-8A	-1.4V	-2.5V	29.5	156 x 98	
Si4483ADY	P	-30	-19.2	0.0088	-10V	-10A	0.0153	-4.5V	-7A	-1.2V	-2.6V	90	119 x 99	
TP0610L	P	-60	-0.185	6	-10V	-500mA	10	-4.5V	-25mA	-1.0V	-3.0V	1.7	25 x 25	
Si1021	P	-60	-0.19	4.0	-10V	-0.5A	8.0	-4.5V	-0.025A	-1.0V	-3.0V	1.7	16 X 16	
Si3459BDV	P	-60	-2.9	0.216	-10V	-2.2A	0.288	-4.5V	-1.9A	-1.0V	-3.0V	4.4	48 x 32	
SUP19P06-60L	P	-60	-19	0.06	-10V	-10A	0.077	-4.5V	-5A	-1.0V	-3.0V	26	74 x 66	
SUM55P06-19L	P	-60	-55	0.019	-10V	-30A	0.025	-4.5V	-20A	-1.0V	-3.0V	76	138 x 97	
IRFC9110D	P	-100	-3.1	1.2	-10V	-1.9A	n/a	n/a	n/a	-2.0V	-4.0V	8.7	90 X 70	
Si7415DN	P	-100	-5.7	0.065	-10V	-5.7A	0.11	-4.5V	-4.4A	-1.0V	-3.0V	15	85 x 58	
IRFC9120D	P	-100	-5.6	0.6	-10V	-3.4A	n/a	n/a	n/a	-2.0V	-4.0V	18	114 X 95	
IRFC9130D	P	-100	-12	0.3	-10V	-7.2A	n/a	n/a	n/a	-2.0V	-4.0V	38	180 X 114	
IRFC9140D	P	-100	-19	0.2	-10V	-11A	n/a	n/a	n/a	-2.0V	-4.0V	61	192 X 170	
IRFC9240D	P	-200	-11	0.2	-10V	-6.6A	n/a	n/a	n/a	-2.0V	-4.0V	44	219 X 161	
IRFIC9634GD	P	-250V	-4.1A	1.0	-10V	-2.5A	n/a	n/a	n/a	-2.0V	-4.0V	38	181 X 116	
IRFC9310D	P	-400	-1.8	7.0	-10V	-1.1A	n/a	n/a	n/a	-2.0V	-4.0V	13	113 X 92	

LOGIC LEVEL FETS	Channel	V _{DS}	I _D	R _{DS(ON) 1}			R _{DS(ON) 2}			V _{GS(th)}		Q _{G (typ)}	Die Size
INDUSTRY PN		Volts	Amps	ohms	V _{GS}	I _{D1}	ohms	V _{GS}	I _{D2}	min	max	nC	mils
IRLC044D	LOGIC	60	50	0.028	5.0V	31A	0.039	4.0V	25A	1.0V	2.0V	66	227 X 170
IRLC120D	LOGIC	100	9.2	0.27	5.0V	5.5A	0.38	4.0V	4.6A	1.0V	2.0V	12	115 X 83

DUAL FETS	Channel	V _{DS}	I _D	R _{DS(ON) 1}			R _{DS(ON) 2}			V _{GS(th)}		Q _{G (typ)}	Die Size	
INDUSTRY PN		Volts	Amps	ohms	V _{GS}	I _{D1}	ohms	V _{GS}	I _{D2}	min	max	nC	mils	
Si1016	N/P	20	0.35	Two die required: one each Si1012, one each Si1013, see above for detail										
Si1023	P	-20	0.35	Two die required: two each Si1013, see above for detail.										
Si1025	P	-60	-0.19	Two die required: two each Si1021, see above for detail.										
Si1026	N	60	0.33	Two die required: two each Si1022, see above for detail.										

Known Good Die	Channel	V _{DS}	I _D	R _{DS(ON) 1}			R _{DS(ON) 2}			V _{GS(th)}		Q _{G (typ)}	Die Size
Medical Implant Applications		Volts	Amps	ohms	V _{GS}	I _{D1}	ohms	V _{GS}	I _{D2}	min	max	nC	mils
SMM50N03-4m0LKGD	N	30	50	0.0031	10V	20A	0.004	4.5V	15A	1.5V	2.5V	77	148 x 118
SMM23N06-31LKGD	N	60	30	0.031	10V	15A	0.045	4.5V	10A	1.5V	2.5V	16	93 x 62
Siliconix offers a complete portfolio of "Known Good Die" for high reliability Mosfet applications! Ask for the shortform catalog.													

If its not listed here, ask about our low cost prototype support for Mosfet die applications!