

N-Channel MOSFETs



Part Number	Microsemi Division	Package Outline	Type	Data Sheet ID	BVDSS (A)	ID (A)	RDS(on) (Ω)	VSD@ID (V)	trr (nsec)	t(on) (nsec)	t(off) (nsec)	PD (W)	R θ JC ($^{\circ}$ C/W)
IRFZ40	PPC, Inc.	TO-220	STD	24111	50	50	0.28	2.5	350			125	1
BUZ71	PPC, Inc.	TO-220	STD	24445	50	56	0.1	1.8	120			40	3.1
FSN1606	Sertech Lab	TO-257	STD	21208	60	16	0.07	1.8	220	21	53	50	2
FSF2506	Sertech Lab	TO-254	STD	21216	60	25							
FSF2606	Sertech Lab	TO-254	STD	21223	60	26	0.03	2.3	600			125	1
IRFZ34	PPC, Inc.	TO-220	STD	24110	60	30	0.05	1.6	230			88	1.7
FSE3506	Sertech Lab	TO-258	STD	21228	60	35	0.03	2.3	600			125	1
MSAER45N06A	Santa Ana	CoolPack1	SM	17886	60	45	0.022	0.75	30	215	200	300	0.4
IRFZ44	PPC, Inc.	TO-220	STD	24112	60	50	0.018	2	180			190	0.8
IRFZ48	PPC, Inc.	TO-220	STD	24115	60	50	0.028	2.5	180			150	1
MSAEZ58N06A	Santa Ana	CoolPack1	SM	24334	60	58	0.018	1.2	50	290	900	300	0.4
MSAFZ58N06A	Santa Ana	CoolPack1	SM	24335	60	58	0.018	2	100	290	900	300	0.4
MSAFX76N07A	Santa Ana	CoolPack1	SM	17872	70	76	0.012	1.5	150	110	185	310	0.25
MSAEX150N07E	Santa Ana	Coolpack3	SM	17888	70	150	0.007	1	55	150	250	500	0.15
IRF510	PPC, Inc.	TO-220	STD	24116	100	5.6	0.54	2.5	200			43	3.5
IRF520	PPC, Inc.	TO-220	STD	24117	100	9.2	0.27	1.8	260			60	2.5
IRF530	PPC, Inc.	TO-220	STD	24118	100	14	0.16	2.5	280			88	1.7
FSN1410	Sertech Lab	TO-257	STD	21209	100	14	0.18	2.5	250	14	33	50	2
FSF2210	Sertech Lab	TO-254	STD	21217	100	22	0.1	2.5	300	23	60	100	1.3
FSF2510	Sertech Lab	TO-254	STD	21224	100	25	0.07	2.3	600	100	100	125	1
IRF540	PPC, Inc.	TO-220	STD	24119	100	28	0.077	2.5	360			150	1
FSE3510	Sertech Lab	TO-258	STD	21229	100	35	0.07	2.3	600	100	100	125	1
MSAER38N10A	Santa Ana	CoolPack1	SM	17885	100	38	0.055	1.2	50	225	300	300	0.4
MSAFR38N10A	Santa Ana	CoolPack1	SM	22408	100	38	0.055	1.8	500	225	300	300	0.4
MSAEZ50N10A	Santa Ana	CoolPack1	SM	22402	100	50	0.035	1.2	50	250	980	300	0.4
MSAFZ50N10A	Santa Ana	CoolPack1	SM	22403	100	50	0.035	1.8	170	250	980	300	0.4
MSAFX75N10A	Santa Ana	CoolPack1	SM	17871	100	75	0.02	1.75	200	140	200	310	0.25
MSAEX150N10E	Santa Ana	Coolpack3	SM	17889	100	150	0.012	1	55	200	275	500	0.15
IRF610	PPC, Inc.	TO-220	STD	24120	200	3.3	1.5	2	310			36	3.5
IRF620	PPC, Inc.	TO-220	STD	24121	200	5.2	0.8	1.8	300			50	2.5
IRF630	PPC, Inc.	TO-220	STD	24122	200	9	0.4	2	340			74	1.7
FSN0920	Sertech Lab	TO-257	STD	21210	200	9	0.55	2	790	21	75	100	1.3
FSF1820	Sertech Lab	TO-254	STD	21218	200	18	0.18	2	530	21	68	100	1.3
FSF2520	Sertech Lab	TO-254	STD	21225	200	25	0.1	2	630	30	100	125	1
MSAER30N20A	Santa Ana	CoolPack1	SM	17883	200	30	0.085	1.2	50	225	300	300	0.4
MSAFR30N20A	Santa Ana	CoolPack1	SM	22407	200	30	0.085	1.9	950	225	300	300	0.4
FSE3020	Sertech Lab	TO-258	STD	21230	200	30	0.1	2	630	30	100	125	1
MSAEZ30N20A	Santa Ana	CoolPack1	SM	22405	200	33	0.07	1.2	50	230	920	300	0.4
MSAFZ30N20A	Santa Ana	CoolPack1	SM	22406	200	33	0.07	1.6	230	230	920	300	0.4
MSAFX50N20A	Santa Ana	CoolPack1	SM	17870	200	50	0.045	1.5	200	45	115	310	0.25
MSAEX100N20E	Santa Ana	Coolpack3	SM	17887	200	100	0.025	1	55	60	160	500	0.15
IRF634	PPC, Inc.	TO-220	STD	24123	250	8.1	0.45	2	440			74	1.7
MSAFX40N30A	Santa Ana	CoolPack1	SM	17869	300	40	0.085	1.5	200	120	190	310	0.25
IRF710	PPC, Inc.	TO-220	STD	24124	400	2	3.6	1.6	540			36	3.5

NFET

Section Organization: MOSFET Parametric Section is organized by ascending BVDSS (volts), followed by ascending ID (amps), and then by RDSon (ohms)

General Notes:

1. Information on contacting Microsemi Divisions can be obtained on the back cover of this catalog
2. RDS(on) when specified is at the rated ID.
3. For detailed RDS(on) and switching characteristics refer to the product datasheets by using the fax on demand system or contacting the Microsemi manufacturing division.
4. Datasheets can be obtained from Microsemi's Website or Fax on Demand System by specifying the Data Sheet ID