

# N-Channel MOSFETs



Part Number	Microsemi Division	Package Outline	Type	Data Sheet ID	BVDSS (A)	ID (A)	RDS(on) ( $\Omega$ )	VSD@ID (V)	trr (nsec)	t(on) (nsec)	t(off) (nsec)	PD (W)	R $\theta$ JC ( $^{\circ}$ C/W)
IRF720	PPC, Inc.	TO-220	STD	24125	400	3.3	1.8	1.6	600			50	2.5
FSN0540	Sertech Lab	TO-257	STD	21211	400	5	1	1.6	660	17	56	50	2
IRF730	PPC, Inc.	TO-220	STD	24126	400	5.5	1	1.6	530			74	1.7
FSF1040	Sertech Lab	TO-254	STD	21219	400	10							
FSF1340	Sertech Lab	TO-254	STD	21226	400	13	0.3	1.6	1000	35	150	125	1
MSAER14N40A	Santa Ana	CoolPack1	SM	17881	400	14	0.3	1.2	60	225	300	300	0.4
FSE1540	Sertech Lab	TO-258	STD	21231	400	15	0.3	1.6	1000	35	150	125	1
MSAEZ15N40A	Santa Ana	CoolPack1	SM	24332	400	15	0.3	1.2	50	180	520	300	0.4
MSAFZ15N40A	Santa Ana	CoolPack1	SM	24333	400	15	0.3	1.5	120	180	520	300	0.4
FSE2040	Sertech Lab	TO-258	STD	21233	400	20	0.21	1.8	1000	33	120	150	0.9
FSN0450	Sertech Lab	TO-257	STD	21212	500	4	1.5	1.6	760	17	53	50	0.2
IRF830	PPC, Inc.	TO-220	STD	24444	500	4.5	1.5	1.6	640			74	1.7
FSF0850	Sertech Lab	TO-254	STD	21220	500	8	0.85	2	970	21	74	100	1.3
FSF1150	Sertech Lab	TO-254	STD	21227	500	11	0.4	1.4	1200	27	100	125	1
MSAER12N50A	Santa Ana	CoolPack1	SM	17880	500	12	0.4	1.2	70	225	300	300	0.4
MSAFR12N50A	Santa Ana	CoolPack1	SM	22401	500	12	0.4	1.7	1600	225	300	300	0.4
FSE1350	Sertech Lab	TO-258	STD	21232	500	13	0.4	1.4	1200	27	100	125	1
FSE1850	Sertech Lab	TO-258	STD	21234	500	18	0.28	1.8	1200	35	130	150	0.9
MSAFX24N50A	Santa Ana	CoolPack1	SM	17868	500	24	0.23	1.5	250	65	120	310	0.25
MSAER11N60A	Santa Ana	CoolPack1	SM	17879	600	11	0.6	1.3	75	60	130	300	0.4
MSAFX20N60A	Santa Ana	CoolPack1	SM	17867	600	20	0.35	1.5	250	100	150	310	0.25
MSAER07N80A	Santa Ana	CoolPack1	SM	17878	800	7.1	1.2	1.3	75	100	105	300	0.4
MSAFX11N80A	Santa Ana	CoolPack1	SM	17864	800	11	0.95	1.5	250	100	150	310	0.25
MSAER06N90A	Santa Ana	CoolPack1	SM	17877	900	6.2	1.6	1.3	75	100	260	300	0.4
MSAFX10N90A	Santa Ana	CoolPack1	SM	17862	900	10	1.1	1.5	250	100	150	310	0.25
MSAER05N100A	Santa Ana	CoolPack1	SM	17876	1000	5.6	2	1.5	100	75	270	300	0.4
MSAFX10N100A	Santa Ana	CoolPack1	SM	17863	1000	10	1.2	1.5	250	100	150	310	0.25
MSAFX14N100A	Santa Ana	CoolPack1	SM	17866	1000	14	0.82	1.5	850	60	150	310	0.25
MSAFX13N110A	Santa Ana	CoolPack1	SM	17865	1100	13	0.92	1.5	850	60	150	310	0.25

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