

# JUNCTION FET

Item Number	Part Number	Manufacturer	V <sub>(BR)GSS</sub> (V)	I <sub>DSS</sub> (A)	g <sub>fs</sub>		V <sub>GS(off)</sub> Max (V)	I <sub>GSS</sub> Max (A)	C <sub>iss</sub> Max (F)	P <sub>D</sub> Max (W)	Derate at (W/°C)	T <sub>Oper</sub> Max (°C)	Package Style
					Min	(S) Max							
<b>N-Channel JFETs, (Cont'd)</b>													
-	MPF109W	Natl Semi	25	1.0m	800u	6.0m	2.0	1.0n	7.0p	310m	2.8m	135 J	TO-92
-	BFT46	See Index	25	1.5m	1.0m		1.2	200p	5.0p	250m	1.6m	150 J	SOT-89
-	MPF109R	Natl Semi	25	1.6m	800u	6.0m	4.0	1.0n	7.0p	310m	2.8m	135 J	TO-92
-	JF1033B	Motorola	25	2.5m	4.5m	13m	8.0	100n		310m	2.8m	150 J	TO-226AA
5	MPF109N	Natl Semi	25	3.0m	800u	6.0m	4.0	1.0n	7.0p	310m	2.8m	135 J	TO-92
-	J204-18	Siliconix	25	3.0m	1.5m		2.0	100p	5.0p	360m	3.2	135 J	TO-92
-	J204-18	Motorola	25	3.0m	1.5m		2.0	100p	5.0p	360m	3.2	135 J	TO-92
-	MPF256	Natl Semi	25	3.0m	6.0m		7.5	5.0n	3.0p	350m	2.7m	150 J	TO-226AA
-	MPF256	Motorola	25	3.0m	6.0m		7.5	5.0n	3.0p	350m	2.7m	150 J	TO-226AA
10	D1101	SDI Inc	25	4.0m	400u	2.0m	10	10n	2.0p	400m	2.3m	200 J	TO-18
-	BFR31R	ThmsnCSFEFC	25	5m			2	0.2n	4.0p			150 J	TO-236
-	MPF109Y	Natl Semi	25	5.0m	800u	6.0m	6.0	1.0n		310m	2.8m	135 J	TO-92
-	SMP5668	Interfet	25	5.0m	1.0m		4.0	1.0n	7.0p			150 J	TO-236AB
-	TMF5668	SprgueElec	25	5.0m	1.0m		4.0	1.0n	7.0p				TO-236
15	TP5668	SprgueElec	25	5.0m	1.0m		8.0	1.0n	7.0p				TO-92
-	TP5668	Interfet	25	5.0m	1.0m		8.0	1.0n	7.0p				TO-92
-	MMBF5457	Natl Semi	25	5.0m	1.0m	5.0m	6.0	1.0n	7.0p	225m	1.8m	150 J	SOT-23
-	MMBF5457	Motorola	25	5.0m	1.0m	5.0m	6.0	1.0n	7.0p	225m	1.8m	150 J	SOT-23
-	MPF103	See Index	25	5.0m	1.0m	5.0m	6.0	1.0n	7.0p	200m	2.0m	125 J	TO-92
20	SMP5457	Interfet	25	5.0m	1.0m	5.0m	6.0	1.0n	7.0p			150 J	TO-236AB
-	TMF5457	SprgueElec	25	5.0m	1.0m	5.0m	6.0	1.0n	7.0p	350m		150 J	TO-236
-	2N5457	See Index	25	5m	1.0m	5.0m	6.0	1.0n	7.0p	310m	2.8m	150 S	TO-92
-	BFR31	See Index	25	5.0m	1.5m	4.5m	2.5	200p	5.0p	225m	1.8m	150 J	SOT-23
-	2N5668	See Index	25	5.0m	1.5m	6.5m	4.0	2.0n	7.0p	310m	2.8m	150 S	TO-92
25	MMBF5484	Motorola	25	5.0m	3.0m	6.0m	3.0	1.0n	5.0p	225m	1.8m	150 J	SOT-23
-	MMBF5484	Natl Semi	25	5.0m	3.0m	6.0m	3.0	1.0n	5.0p	225m	1.8m	150 J	SOT-23
-	SMP5484	Interfet	25	5.0m	3.0m	6.0m	3.0	1.0n	5.0p			150 J	TO-236AB
-	TMF5484	SprgueElec	25	5.0m	3.0m	6.0m	3.0	1.0n	5.0p	350m		150 J	TO-236
-	2N5484	See Index	25	5.0m	3.0m	6.0m	3.0	1.0n	5.0p	310m	2.8m	150 S	TO-92
30	JF1033S	Motorola	25	5.0m	4.5m	13m	8.0	100n		310m	2.8m	150 J	TO-226AA
-	2SK83	Matsushita	25	6.0m	1.9m			50n	4.0p	100m	1.0m	125 S	TO-92
-	2SK83	Semi Inc	25	6.0m	1.9m			50n	4.0p	100m	1.0m	125 S	TO-92
-	SMP5104	Interfet	25	6.0m	3.5m	7.5m	4.0	1.0n	5.0p			150 J	TO-236AB
-	TMF5104	SprgueElec	25	6.0m	3.5m	7.5m	4.0	1.0n	5.0p				TO-236
35	TP5104	Interfet	25	6.0m	3.5m	7.5m	4.0	1.0n	5.0p				TO-92
-	TP5104	SprgueElec	25	6.0m	3.5m	7.5m	4.0	1.0n	5.0p				TO-92
-	2N5104	See Index	25	6.0m	3.5m	7.5m	4.0	100p	5.0p	300m	1.7m	200 S	TO-72
-	J300	See Index	25	6.0m	4.5m	9.0m	6.0	500p	5.5p	350m	3.5m	150 J	TO-226AA
-	MFE2007	CrimsonSemi	25	8.0m			10	2.0n	30p	1.8	10m	175 J	TO-18
40	MPF109G	Natl Semi	25	8.0m	800u	6.0m	6.0	1.0n	7.0p	310m	2.8m	135 J	TO-92
-	TIS58	Solitron	25	8.0m	1.3m	4.0m	5.0	4.0m	6.0p	360m	2.8m	150 S	TO-92
-	TIS58	Natl Semi	25	8.0m	1.3m	4.0m	5.0	4.0m	6.0p	360m	2.8m	150 S	TO-92
-	TIS58	Semi Inc	25	8.0m	1.3m	4.0m	5.0	4.0m	6.0p	360m	2.8m	150 S	TO-92
45	SMP5103	Interfet	25	8.0m	2.0m	8.0m	4.0	1.0n	5.0p			150 J	TO-236AB
-	TMF5103	SprgueElec	25	8.0m	2.0m	8.0m	4.0	1.0n	5.0p				TO-236
-	TP5103	Interfet	25	8.0m	2.0m	8.0m	4.0	1.0n	6.0p				TO-92
-	TP5103	SprgueElec	25	8.0m	2.0m	8.0m	4.0	1.0n	6.0p				TO-92
-	2N5103	See Index	25	8.0m	2.0m	8.0m	4.0	100p	5.0p	300m	1.7m	200 S	TO-72
-	MPF104	See Index	25	9.0m	1.5m	5.5m	7.0	1.0n	7.0p	200m	2.0m	125 J	TO-92
50	SMP5458	Interfet	25	9.0m	1.5m	5.5m	7.0	1.0n	7.0p			150 J	TO-236AB
-	TMF5458	SprgueElec	25	9.0m	1.5m	5.5m	7.0	1.0n	7.0p	350m		150 J	TO-236
-	2N5458	See Index	25	9.0m	1.5m	5.5m	7.0	1.0n	7.0p	310m	2.8m	150 S	TO-92
-	J300A	Siliconix	25	9.0m	4.5m	9.0m	3.0	500p	5.5p				TO-92
-	J300A	Interfet	25	9.0m	4.5m	9.0m	3.0	500p	5.5p				TO-92
55	J300A	SprgueElec	25	9.0m	4.5m	9.0m	3.0	500p	5.5p				TO-92
-	SMPJ300A	Interfet	25	9.0m	4.5m	9.0m	3.0	1.0n	5.5p			150 J	TO-236AB
-	TMFJ300A	SprgueElec	25	9.0m	4.5m	9.0m	3.0	1.0n	5.5p				TO-236
-	BFR30R	ThmsnCSFEFC	25	10m			5	0.2n	4.0p			150 J	TO-236
-	E110	Solitron	25	10m			4.0	3.0n	85p	350m	3.5m	125 A	TO-106var
60	E110	Natl Semi	25	10m			4.0	3.0n	85p	350m	3.5m	125 A	TO-106var
-	J110	Motorola	25	10m			4.0	3.0n		310m	2.8m	150 J	TO-226AA
-	J110	Siliconix	25	10m			4.0	3.0n		310m	2.8m	150 J	TO-226AA
-	J110-18	Siliconix	25	10m			4.0	3.0n	15p	360m	3.2	135 J	TO-92
-	TPJ110	Interfet	25	10m			4.5	3.0n	50p				TO-92
65	TPJ110	SprgueElec	25	10m			4.5	3.0n	50p				TO-92
-	BFR30	See Index	25	10m	1.0m	4.0m	5.0	200p	5.0p	225m	1.8m	150 J	SOT-23
-	SMP5669	Interfet	25	10m	1.6m		6.0	1.0n	7.0p			150 J	TO-236AB
-	TMF5669	SprgueElec	25	10m	1.6m		6.0	1.0n	7.0p				TO-236
-	TP5669	SprgueElec	25	10m	1.6m		6.0	1.0n	7.0p				TO-92
70	TP5669	Interfet	25	10m	1.6m		6.0	1.0n	7.0p				TO-92
-	2N5669	See Index	25	10m	2.0m	6.5m	6.0	2.0n	7.0p	310m	2.8m	150 S	TO-92
-	MPF106	See Index	25	10m	2.5m		4.0	1.0n	5.0p	200m	2.0m	125 J	TO-72
-	MFE2000	Motorola	25	10m	2.5m	6.0m	4.0	100p	5.0p	300m	2.0m	175 J	TO-72
-	MFE2000	CrimsonSemi	25	10m	2.5m	6.0m	4.0	100p	5.0p	300m	2.0m	175 J	TO-72
75	MMBF5485	Natl Semi	25	10m	3m	7m	1n	5.0p	5.0p	350m	2.8m	150 S	SOT-23var
-	MMBF5485	Motorola	25	10m	3m	7m	1n	5.0p	5.0p	350m	2.8m	150 S	SOT-23var
-	SMP5485	Interfet	25	10m	3.5m	7.0m	4.0	1.0n	5.0p			150 J	TO-236AB
-	TMF5485	SprgueElec	25	10m	3.5m	7.0m	4.0	1.0n	5.0p	350m		150 J	TO-236
-	2N5485	See Index	25	10m	3.5m	7.0m	4.0	1.0n	5.0p	310m	2.8m	150 S	TO-92
80	JF1033Y	Motorola	25	10m	4.5m	13m	8.0	100n		310m	2.8m	150 J	TO-226AA
-	MPF820	See Index	25	10m	20m		5.0	5.0n	15p	625m	5.0m	150 J	TO-226AA
-	J308	See Index	25	12m	8.0m	20m	6.5	1.0n	5.0p	360m	3.3m	150 J	TO-226AA
-	J309	See Index	25	12m	10m	20m	4.0	1.0n	5.0p	360m	3.3m	150 J	TO-226AA
-	U308	See Index	25	12m	10m	20m	6.0	150p	7.5p	500m	4.0m	150 J	TO-206AC
85	U309	See Index	25	12m	10m	20m	4.0	150p	5.0p	500m	4.0m	150 J	TO-206AC
-	MPF109B	Natl Semi	25	14m	800u	6.0m	8.0	1.0n	7.0p	310m	2.8m	135 J	TO-92
-	E114	Natl Semi	25	15m			10	1.0n	8.0p	350m	3.5m	125 A	TO-106var
-	J114	Natl Semi	25	15m			10	1.0n	8.0p	350m	3.5m	125 A	TO-92
-	MFE2010	Motorola	25	15m			10	3.0n	50p	1.8	10m	175 J	TO-206AA
90	MFE2010	CrimsonSemi	25	15m			10	3.0n	50p	1.8	10m	175 J	TO-206AA
-	SMP5555	Interfet	25	15m			12	1.0n	5.0p				