

# JUNCTION FETs

Item Number	Part Number	Manufacturer	V <sub>(BR)GSS</sub> (V)	I <sub>SS</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	Max							
<b>N-Channel JFETs, (Cont'd)</b>													
-	SMPJ210	Interfet	25	15m	4.0m	12m	3.0	1.0n				150 J	TO-236AB
-	TMPFJ210	SprgueElec	25	15m	4.0m	12m	3.0	1.0n					TO-236
-	J300B	SprgueElec	25	15m	4.5m	9.0m	4.0	500p	5.5p				TO-92
-	J300B	Siliconix	25	15m	4.5m	9.0m	4.0	500p	5.5p				TO-92
5	J300B	Interfet	25	15m	4.5m	9.0m	4.0	500p	5.5p				TO-92
-	SMPJ300B	Interfet	25	15m	4.5m	9.0m	4.0	1.0n	5.5p			150 J	TO-236AB
-	TMPFJ300B	SprgueElec	25	15m	4.5m	9.0m	4.0	1.0n	5.5p				TO-236
-	SMP5105	Interfet	25	15m	5.0m	10m	4.0	1.0n	5.0p			150 J	TO-236AB
-	TMPF5105	SprgueElec	25	15m	5.0m	10m	4.0	1.0n	5.0p				TO-236
10	TP5105	SprgueElec	25	15m	5.0m	10m	4.0	1.0n	5.0p				TO-92
-	TP5105	Interfet	25	15m	5.0m	10m	4.0	1.0n	5.0p				TO-92
-	2N5105	See Index	25	15m	5.0m	10m	4.0	100p	5.0p	300m	1.7m	200 S	TO-72
-	MMBF5459	Natl Semi	25	16m	2.0m	6.0m	8.0	1.0n	7.0p	225m	1.8m	150 S	SOT-23
-	MMBF5459	Motorola	25	16m	2.0m	6.0m	8.0	1.0n	7.0p	225m	1.8m	150 S	SOT-23
15	MPF105	See Index	25	16m	2.0m	6.0m	8.0	1.0n	7.0p	200m	2.0m	125 J	TO-92
-	SMP5459	Interfet	25	16m	2.0m	6.0m	8.0	1.0n	7.0p				TO-236AB
-	TMPF5459	SprgueElec	25	16m	2.0m	6.0m	8.0	1.0n	7.0p	350m		150 J	TO-236
-	2N5459	See Index	25	16m	2.0m	6.0m	8.0	1.0n	7.0p	310m	2.8m	150 S	TO-92
-	MFE2008	CrimsonSemi	25	20m			10	2.0n	30p	1.8	10m	175 J	TO-18
20	SMP6452	Interfet	25	20m			3.5	1.0n	25p			150 J	TO-236AB
-	TMPF6452	SprgueElec	25	20m			3.5	1.0n	25p				TO-236
-	TP6452	Interfet	25	20m			3.5	1.0n	25p				TO-92
-	TP6452	SprgueElec	25	20m			3.5	1.0n	25p				TO-92
25	MPF112	See Index	25	20m	1.0m	7.5m	10	100n	8.0p	200m	2.0m	125 J	TO-92
-	MMBF102	Motorola	25	20m	2.0m		8.0		7.0p	350m		150 J	TO-236
-	TP5670	SprgueElec	25	20m	2.0m		8.0	1.0n	7.0p				TO-92
-	TP5670	Interfet	25	20m	2.0m		8.0	1.0n	7.0p				TO-92
-	BFW61	See Index	25	20m	2.0m	6.5m	8.0	1.0n	6.0p	300m	1.7m	200 J	TO-72
-	SMP3819	Interfet	25	20m	2.0m	6.5m	8.0	2.0n	8.0p			150 J	TO-236AB
30	TMPF3819	SprgueElec	25	20m	2.0m	6.5m	8.0	2.0n	8.0p	350m		150 J	TO-236
-	2N3819	See Index	25	20m	2.0m	6.5m	8.0	2.0n	8.0p	360m	2.8m	150 S	TO-92
-	MPF102	See Index	25	20m	2.0m	7.5m	8.0	2.0n	7.0p	200m	2.0m	125 J	TO-226AA
-	2N5670	See Index	25	20m	3.0m	7.5m	8.0	2.0n	7.0p	310m	2.8m	150 S	TO-92
-	MPF107	See Index	25	20m	4.0m		6.0	1.0n	5.0p	200m	2.0m	125 J	TO-72
35	MFE2001	Motorola	25	20m	4.0m	8.0m	6.0	100p	5.0p	300m	2.0m	175 J	TO-72
-	MFE2001	CrimsonSemi	25	20m	4.0m	8.0m	6.0	100p	5.0p	300m	2.0m	175 J	TO-72
-	MMBF5486	Natl Semi	25	20m	4.0m	8.0m	6.0	1.0n	5.0p	225m	1.8m	150 J	SOT-23
-	MMBF5486	Motorola	25	20m	4.0m	8.0m	6.0	1.0n	5.0p	225m	1.8m	150 J	SOT-23
-	SMP5486	Interfet	25	20m	4.0m	8.0m	6.0	1.0n	5.0p			150 J	TO-236AB
40	TMPF5486	SprgueElec	25	20m	4.0m	8.0m	6.0	1.0n	5.0p	350m		150 J	TO-236
-	2N5486	See Index	25	20m	4.0m	8.0m	7.5	1.0n	5.0p	310m	2.8m	150 S	TO-92
-	J211	See Index	25	20m	6.0m	12m	4.5	100p	5.0p	350m	3.5m	125 A	TO-92
-	SMPJ211	Interfet	25	20m	6.0m	12m	4.5	1.0n	12m			150 J	TO-236AB
-	TMPFJ211	SprgueElec	25	20m	6.0m	12m	4.5	1.0n					TO-236
45	E211	Natl Semi	25	20m	7.0m	12m	4.5	100p	5.0p	350m	3.5m	125 A	TO-106var
-	2N6452	See Index	25	20m	15m	30m	3.5	500u	25p	360m	2.4m	200 S	TO-72
-	SMP5670	Interfet	25	20m	2.0		8.0	1.0n	7.0p			150 J	TO-236AB
-	TMPF5670	SprgueElec	25	20m	2.0		8.0	1.0n	7.0p				TO-236
-	MPF109	See Index	25	24m	800u	6.0m	8.0	1.0n	7.0p	310m	2.8m	135 J	TO-92
50	MMBF108	Motorola	25	24m	2.0m		8.0		6.5p	350m		150 J	TO-236
-	MPF108	See Index	25	24m	2.0m	7.5m	8.0	1.0n	6.5p	310m	2.8m	135 J	TO-92
-	J310	See Index	25	24m	8.0m	18m	6.5	1.0n	5.0p	360m	3.3m	150 J	TO-226AA
-	U310	See Index	25	24m	10m	18m	6.0	150p	7.5p	500m	4.0m	150 J	TO-206AC
55	MMBF112	Motorola	25	25m	500u		10		8.0p	350m		150 J	TO-236
-	TIS59	Soliton	25	25m	2.3m	5.0m	9.0	4.0m	6.0p	360m	2.8m	150 S	TO-92
-	TIS59	Semi Inc	25	25m	2.3m	5.0m	9.0	4.0m	6.0p	360m	2.8m	150 S	TO-92
-	TIS59	Natl Semi	25	25m	2.3m	5.0m	9.0	4.0m	6.0p	360m	2.8m	150 S	TO-92
-	BF244SM	SprgueElec	25	25m	3.0m	6.5m			5.0p	350m		150 J	TO-236
60	J300C	SprgueElec	25	25m	4.5m	9.0m	5.0	500p	5.5p				TO-92
-	J300C	Siliconix	25	25m	4.5m	9.0m	5.0	500p	5.5p				TO-92
-	J300C	Interfet	25	25m	4.5m	9.0m	5.0	500p	5.5p				TO-92
-	SMPJ300C	Interfet	25	25m	4.5m	9.0m	5.0	1.0n	5.5p			150 J	TO-236AB
-	TMPFJ300C	SprgueElec	25	25m	4.5m	9.0m	5.0	1.0n	5.5p				TO-236
65	CM697	TeledynCrys	25	30m			3.0	3.0n		400m	2.3m	200 J	TO-46
-	PN5434	Natl Semi	25	30m			4.0	200p	30p	300m	2.0m	150 S	TO-92
-	PN5434	CentralSemi	25	30m			4.0	200p	30p	300m	2.0m	150 S	TO-92
-	SMPU309	Interfet	25	30m			4.0	1.0n	7.5p			150 J	TO-236AB
-	SOR5434 (A)	ThmsnCSFEFC	25	30m			4.0	2.0n	30p	200m	1.6m	150 J	TO-236
-	TMPFU309	SprgueElec	25	30m			4.0	1.0n	7.5p				TO-236
70	TPU309	Interfet	25	30m			4.0	1.0n	7.5p				TO-92
-	TPU309	SprgueElec	25	30m			4.0	1.0n	7.5p				TO-92
-	2N5434	See Index	25	30m			4.0	200p	30p	300m	2.3m	150 S	TO-52
-	E300	Natl Semi	25	30m	4.5m	9.0m	6.0	500p	5.5p	350m	3.5m	125 A	TO-106var
-	U440	Siliconix	25	30m	4.5m	9.0m	6.0	500p	3.5p	350m	2.8m	150 S	TO-71
75	U441	Siliconix	25	30m	4.5m	9.0m	6.0	500p	3.5p	350m	2.8m	150 S	TO-71
-	SMP5397	Interfet	25	30m	6.0m	10m	6.0	1.0n	5.0p			150 J	TO-236AB
-	TMPF5397	SprgueElec	25	30m	6.0m	10m	6.0	1.0n	5.0p	350m		150 J	TO-236
-	TP5397	SprgueElec	25	30m	6.0m	10m	6.0	1.0n	5.0p				TO-92
-	TP5397	Interfet	25	30m	6.0m	10m	6.0	1.0n	5.0p				TO-92
80	U312	Soliton	25	30m	6.0m	10m	6.0	100p	3.8p	500m	4.0m	150 A	TO-52
-	U312	Siliconix	25	30m	6.0m	10m	6.0	100p	3.8p	500m	4.0m	150 A	TO-52
-	U314	Soliton	25	30m	6.0m	10m	6.0	1.0n	5.0p	175m	1.0m	200 A	Macro-T
-	U315	Soliton	25	30m	6.0m	10m	6.0	1.0n	5.0p	175m	1.0m	200 A	Macro-X
-	2N5397	See Index	25	30m	6.0m	10m	6.0	100p	5.0p	300m	1.7m	200 S	TO-72
85	SMPJ309	Interfet	25	30m	10m		4.0	1.0n	7.5p			150 J	TO-236AB
-	E309	Natl Semi	25	30m	10m	20m	4.0	100p	5.0p	350m	3.5m	125	TO-106
-	E311	Natl Semi	25	30m	10m	20m	4.0	100p	5.0p	350m	3.5m	125	TO-106
-	TMPFJ309	SprgueElec	25	30m	10m	20m	4.0	1.0n	7.5p	350m		150 J	TO-236
-	U316	Soliton	25	30m	10m	20m	4.0	1.0n	5.0p	175m	1.0m	125	Macro-T
90	U430	Siliconix	25	30m	10m	20m	4.0	150p	7.5p	500m	2.4m	200 S	TO-99
-	U430	Soliton	25	30m	10m	20m	4.0	150p	7.5p	500m	2.4m	200 S	TO-99
-	TPJ309	SprgueElec	25	30m	10		4.0	1.0n	7.5p				TO-92
-	TPJ309	Interfet</											