

Industry P/N	Polarity	Package	Direct Replacement	Closest Equivalent Replacement	Process Package	Package Type	Industry P/N	Polarity	Package	Direct Replacement	Closest Equivalent Replacement	Process Package	Package Type
2N5020	P	TO-18	2N5020	2N5433 2N5432	8811	TO-18	2N5668	N	TO-92	2N5668	PN3686 PN4302 J210 J212	5072	TO-92
2N5021	P	TO-18	2N5021		8971	TO-92	2N5669	N	TO-92	2N5669		5072	TO-92
2N5033	P	TO-106	PN5033-18		8971	TO-92	2N5670	N	TO-92	2N5670		5072	TO-92
2N5045	N	TO-71	2N5045		8312	TO-71	2N5717	N	TO-92			5272	TO-92
2N5046	N	TO-71	2N5046		8312	TO-71	2N5718	N	TO-92			5272	TO-92
2N5047	N	TO-71	2N5047		8312	TO-71	2N5801	N	TO-92			9072	TO-92
2N5078	N	TO-72	2N5078		5025	TO-72	2N5802	N	TO-92			9072	TO-92
2N5103	N	TO-72	2N5103		5025	TO-72	2N5902	N	TO-78	2N5902		8424	TO-78
2N5104	N	TO-72	2N5104		5025	TO-72	2N5903	N	TO-78	2N5903		8424	TO-78
2N5105	N	TO-72	2N5105		5025	TO-72	2N5904	N	TO-78	2N5904		8424	TO-78
2N5114	P	TO-18	2N5114		8811	TO-18	2N5905	N	TO-78	2N5905	8424	TO-78	
2N5115	P	TO-18	2N5115		8811	TO-18	2N5906	N	TO-78	2N5906	8424	TO-78	
2N5116	P	TO-18	2N5116		8811	TO-18	2N5907	N	TO-78	2N5907	8424	TO-78	
2N5158	N	TO-18			8807	TO-52	2N5908	N	TO-78	2N5908	8424	TO-78	
2N5159	N	TO-18			5807	TO-52	2N5909	N	TO-78	2N5909	8424	TO-78	
2N5163	N	TO-106	PN5163-18		5072	TO-18	2N5911	N	TO-78		9324	TO-78	
2N5196	N	TO-71	2N5196		8312	TO-18	2N5912	N	TO-78		9324	TO-78	
2N5197	N	TO-71	2N5197		8312	TO-18	2N5949	N	TO-106	2N5949-18	5077	TO-92	
2N5198	N	TO-71	2N5198		8312	TO-18	2N5950	N	TO-106	2N5950-18	5077	TO-92	
2N5199	N	TO-71	2N5199		8312	TO-18	2N5951	N	TO-106	2N5951-18	5077	TO-92	
2N5245	N	TO-106	2N5245-18	9077	TO-92	2N5952	N	TO-106	2N5952-18	5077	TO-92		
2N5246	N	TO-106	2N5246-18	9077	TO-92	2N5953	N	TO-106	2N5953-18	5077	TO-92		
2N5247	N	TO-106	2N5247-18	9077	TO-92	2N6483	N	TO-71	2N6483	9512	TO-71		
2N5248	N	TO-92	2N5248	5074	TO-92	2N6484	N	TO-71	2N6484	9512	TO-71		
2N5358	N	TO-72	2N5358	5525	TO-72	2N6485	N	TO-71	2N6485	9512	TO-71		
2N5359	N	TO-72	2N5359	5525	TO-72	2SK11	N	TO-72		5202	TO-18		
2N5360	N	TO-72	2N5360	5525	TO-72	2SK12	N	TO-72	2N4340	5202	TO-18		
2N5361	N	TO-72	2N5361	5525	TO-72	2SK13	N	TO-72	2N4340	5202	TO-18		
2N5362	N	TO-72	2N5362	5525	TO-72	2SK15	N	TO-72	2N4340	5202	TO-18		
2N5363	N	TO-72	2N5363	5525	TO-72	2SK19	N	TO-106	2N5485-18	5072	TO-92		
2N5364	N	TO-72	2N5364	5525	TO-72	2SK30	N	TO-92	PN4304	5272	TO-92		
2N5397	N	TO-72	2N5397	9025	TO-72	2SK37	N	B-69	2N5484	5072	TO-92		
2N5398	N	TO-72	2N5398	9025	TO-72	2SK48	N	TO-72	2N3686	5225	TO-72		
2N5432	N	TO-18	2N5432	5807	TO-72	2SK68	N	TO-92	PF5101	5172	TO-92		
2N5433	N	TO-18	2N5433	5807	TO-72	3SK22	N	TO-72	2N5078	5025	TO-72		
2N5434	N	TO-18	2N5434	5807	TO-72	3SK23	N	TO-72	2N5397	9025	TO-72		
2N5452	N	TO-71	2N5452	8312	TO-71	3SK28	N	TO-72	2N5078	5025	TO-72		
2N5453	N	TO-71	2N5453	8312	TO-71	A573821	N	TO-92	2N3821	5525	TO-72		
2N5454	N	TO-71	2N5454	8312	TO-71	A573822	N	TO-92	2N3822	5525	TO-72		
2N5457	N	TO-92	2N5457	5572	TO-92	A573823	N	TO-92	2N3823	5029	TO-72		
2N5458	N	TO-92	2N5458	5572	TO-92	A573824	N	TO-92	2N3824	5525	TO-72		
2N5459	N	TO-92	2N5459	5572	TO-92	A575460	P	TO-92	2N5460	8971	TO-92		
2N5460	P	TO-92	2N5460	8971	TO-92	A575461	P	TO-92	2N5461	8971	TO-92		
2N5461	P	TO-92	2N5461	8971	TO-92	A575462	P	TO-92	2N5462	8971	TO-92		
2N5462	P	TO-92	2N5462	8971	TO-92	BC264A	N	TO-92	BC264A	5077	TO-92		
2N5471	P	TO-72		8911	TO-18	BC264B	N	TO-92	BC264B	5077	TO-92		
2N5472	P	TO-72		8911	TO-18	BC264C	N	TO-92	BC264C	5077	TO-92		
2N5473	P	TO-72		8911	TO-18	BC264D	N	TO-92	BC264D	5077	TO-92		
2N5474	P	TO-72		8911	TO-18	BF244A	N	TO-92	BF244A	5074	TO-92		
2N5475	P	TO-72		8911	TO-18	BF244B	N	TO-92	BF244B	5074	TO-92		
2N5476	P	TO-72		8911	TO-18	BF244C	N	TO-92	BF244C	5074	TO-92		
2N5484	N	TO-92	2N5484	5072	TO-92	BF245A	N	TO-92	BF245A	5077	TO-92		
2N5485	N	TO-92	2N5485	5072	TO-92	BF245B	N	TO-92	BF245B	5077	TO-92		
2N5486	N	TO-92	2N5486	5072	TO-92	BF245C	N	TO-92	BF245C	5077	TO-92		
2N5515	N	TO-71	2N5515	9512	TO-71	BF246A	N	TO-92	BF246A	5174	TO-92		
2N5516	N	TO-71	2N5516	9512	TO-71	BF246B	N	TO-92	BF246B	5174	TO-92		
2N5517	N	TO-71	2N5517	9512	TO-71	BF246C	N	TO-92	BF246C	5174	TO-92		
2N5518	N	TO-71	2N5518	9512	TO-71	BF247A	N	TO-92	BF247A	5177	TO-92		
2N5519	N	TO-71	2N5519	9512	TO-71	BF247B	N	TO-92	BF247B	5177	TO-92		
2N5520	N	TO-71	2N5520	9512	TO-71	BF247C	N	TO-92	BF247C	5177	TO-92		
2N5521	N	TO-71	2N5521	9512	TO-71	BF256A	N	TO-92	BF256A	5077	TO-92		
2N5522	N	TO-71	2N5522	9512	TO-71	BF256B	N	TO-92	BF256B	5077	TO-92		
2N5523	N	TO-71	2N5523	9512	TO-71	BF256C	N	TO-92	BF256C	5077	TO-92		
2N5524	N	TO-71	2N5524	9512	TO-71	BFW10	N	TO-72		5025	TO-72		
2N5545	N	TO-71	2N5545	8312	TO-71	BFW11	N	TO-72	2N4224	5025	TO-72		
2N5546	N	TO-71	2N5546	8312	TO-71	BFW61	N	TO-72	2N4224	5025	TO-72		
2N5547	N	TO-71	2N5547	8312	TO-71	BSV78	N	TO-18	2N4856	5102	TO-18		
2N5549	N	TO-72		9025	TO-72	BSV79	N	TO-18	2N4857	5102	TO-18		
2N5555	N	TO-92	2N5555	5072	TO-92	BSV80	N	TO-18	2N4858	5102	TO-18		
2N5556	N	TO-72	2N5556	5025	TO-72	E101	N	TO-106	J201-18	5272	TO-92		
2N5557	N	TO-72	2N5557	5025	TO-72	E102	N	TO-106	J202-18	5272	TO-92		
2N5558	N	TO-72	2N5558	5025	TO-72	E103	N	TO-106	J203-18	5272	TO-92		
2N5561	N	TO-71	2N5561	9812	TO-71	E106	N	TO-106		5872	TO-92		
2N5562	N	TO-71	2N5562	9812	TO-71	E107	N	TO-106	J108-18	5872	TO-92		
2N5563	N	TO-71	2N5563	9812	TO-71	E108	N	TO-106	J108-18	5872	TO-92		
2N5564	N	TO-71	2N5564	9612	TO-71	E109	N	TO-106	J109-18	5872	TO-92		
2N5565	N	TO-71	2N5565	9612	TO-71	E110	N	TO-106	J110-18	5872	TO-92		
2N5566	N	TO-71	2N5566	9612	TO-71	E111	N	TO-106	J111-18	5172	TO-92		
2N5592	N	TO-72		5072	TO-92	E112	N	TO-106	J112-18	5172	TO-92		
2N5593	N	TO-72		5072	TO-92	E113	N	TO-106	J113-18	5172	TO-92		
2N5594	N	TO-72		5072	TO-92	E114	N	TO-106	J114-18	9072	TO-92		
2N5638	N	TO-92	2N5638	5172	TO-92	E174	N	TO-106	J174-18	8874	TO-92		
2N5639	N	TO-92	2N5639	5172	TO-92	E175	N	TO-106	J175-18	8874	TO-92		
2N5640	N	TO-92	2N5640	5172	TO-92	E176	N	TO-106	J176-18	8874	TO-92		
2N5653	N	TO-92	2N5653	5172	TO-92	E177	N	TO-106	J177-18	8874	TO-92		
2N5654	N	TO-92	2N5654	5172	TO-92	E201	N	TO-106	J201-18	5272	TO-92		



PRO ELECTRON SERIES (JFET)

Type No.	Case Style	BV <sub>GSS</sub> BV <sub>GDO</sub> (V) @ I <sub>G</sub>		I <sub>GSS</sub> I <sub>DGD</sub> (nA) @ V <sub>GD</sub>		V <sub>P</sub> (V) @ V <sub>DS</sub>			I <sub>D</sub> (nA)	V <sub>GS</sub> (V) @ V <sub>GS</sub>				I <sub>DSS</sub> (mA) @ V <sub>DS</sub>	R <sub>θ</sub> (YFS) (mmho) @ f			C <sub>iss</sub> (pF) @ V <sub>DS</sub> Typ (V)	V <sub>GS</sub> (V)	C <sub>rss</sub> (pF) @ V <sub>DS</sub> Typ (V)	V <sub>GS</sub> (V)	NF (dB) @ R <sub>G</sub> = 1k e <sub>n</sub> * f (Hz)*		Process No.	Pkg. No.				
		Min	Max	Min	Max	Min	Max	Min		Max	Min	Max	Min		Max	Min	Max					Max	Typ						
BF244A	TO-92	30	1	5	20	.5	8	15	10	.4	2.2	15	200	2	6.5	15	3	6.5	.001	4	20	-1	1.1	20	-1	1.5	100	50	74
BF244B	TO-92	30	1	5	20	.5	8	15	10	1.6	3.8	15	200	6	15	15	3	6.5	.001	4	20	-1	1.1	20	-1	1.5	100	50	74
BF244C	TO-92	30	1	5	20	.5	8	15	10	3.2	7.5	15	200	12	25	15	3	6.5	.001	4	20	-1	1.1	20	-1	1.5	100	50	74
BF245A	TO-92	30	1	5	20	.5	8	15	10	.4	2.2	15	200	2	6.5	15	3	6.5	.001	4	20	-1	1.1	20	-1			50	77
BF245B	TO-92	30	1	5	20	.5	8	15	10	1.6	3.8	15	200	6	15	15	3	6.5	.001	4	20	-1	1.1	20	-1			50	77
BF245C	TO-92	30	1	5	20	.5	8	15	10	3.2	7.5	15	200	12	25	15	3	6.5	.001	4	20	-1	1.1	20	-1			50	77
BF246A	TO-92	25	1	5	15	.6	14.5	15	10	1.5	4.0	15	200	30	80	15	8		.001	11	15	0	3.5	15	0			51	74
BF246B	TO-92	25	1	5	15	.6	14.5	15	10	3.0	7.0	15	200	60	140	15	8		.001	11	15	0	3.5	15	0			51	74
BF246C	TO-92	25	1	5	15	.6	14.5	15	10	5.5	12	15	200	110	250	15	8		.001	11	15	0	3.5	15	0			51	74
BF247A	TO-92	25	1	5	15	.6	14.5	15	10	1.5	4.0	15	200	30	80	15	8		.001	11	15	0	3.5	15	0			51	77
BF247B	TO-92	25	1	5	15	.6	14.5	15	10	3.0	7.0	15	200	60	140	15	8		.001	11	15	0	3.5	15	0			51	77
BF247C	TO-92	25	1	5	15	.6	14.5	15	10	5.5	12	15	200	110	250	15	8		.001	11	15	0	3.5	15	0			51	77
BF256A	TO-92	30	1	5	20					.5	7.5	15	200	3	7	15	4.5		.001				.7	20	-1	7.5	800	50	77
BF256B	TO-92	30	1	5	20					.5	7.5	15	200	6	13	15	4.5		.001				.7	20	-1	7.5	800	50	77
BF256C	TO-92	30	1	5	20					.5	7.5	15	200	11	18	15	4.5		.001				.7	20	-1	7.5	800	50	77
BC264A	TO-92	30	1	10	20	.5		15	10	.2	1.2	15	1000	2	4.5	15	2.5		.001	4.0	15	-1	1.2	15	-1	40*	10*	50	77
BC264B	TO-92	30	1	10	20	.5		15	10	.4	1.4	15	1500	3.5	6.5	15	3.0		.001	4.0	15	-1	1.2	15	-1	40*	10*	50	77
BC264C	TO-92	30	1	10	20	.5		15	10	.5	1.5	15	2500	5.0	8.0	15	3.5		.001	4.0	15	-1	1.2	15	-1	40*	10*	50	77
BC264D	TO-92	30	1	10	20	.5		15	10	.6	1.6	15	3500	7.0	12.0	15	4.0		.001	4.0	15	-1	1.2	15	-1	40*	10*	50	77

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