



LOW FREQUENCY—LOW NOISE AMPLIFIERS (Continued)

N-Channel JFETs

Type No.	Case Style	BV _{GSS} (V)		I _{GSS} (nA)		V _{GS(off)} (V)				I _{DSS} (mA)			g _{fs} (R _e Y _{fs}) (mmho)		f (MHz)	G _{oss} (μmho)		C _{iss} (pF)			C _{rss} (pF)		e _n (nV/√Hz@f)	Process No.	Pkg. No.	
		Min	I _G (μA)	Max	V _{DG} (V)	Min	Max	V _{DS} (V)	I _D (nA)	Min	Max	V _{DS} (V)	Min	Max		V _{DS} (V)	Max	V _{DS} (V)	Max	V _{GS} (V)	Max	V _{DS} (V)				Max
PF5101	TO-92	40	1	0.2	15	0.5	1.1	15	1.0	1	12	15	3.5	15	0.001	25	15	t12	15	0	t4	15	3.5	1000	51	92
PF5102	TO-92	40	1	0.2	15	0.7	1.6	15	1.0	4	20	15	7.5	15	0.001	25	15	t12	15	0	t4	15	3.5	1000	51	92
PF5103	TO-92	40	1	0.2	15	1.2	2.7	15	1.0	10	40	15	7.5	15	0.001	25	15	t12	15	0	t4	15	3.5	1000	51	92
PN4393	TO-92	40	1.0	0.1	20	0.5	3.0	20	1.0	5	30	20	t12	20	0.001			14	20	0	3.5	5 (GS)	t8	10	51	92

t = typical value



ULTRA LOW INPUT CURRENT AMPS

Type No.	Case Style	BV _{GSS} (V) @ I _G (μA)		I _{GSS} (pA) @ V _{DG} (V)		V _p (V) @ V _{DS} (V)				I _{DSS} (μA) @ V _{DS} (V)			G _{fs} (μmho) @ V _{DS} (V)		G _{oss} (μmho) @ V _{DS} (V)		C _{iss} (pF) @ V _{DS} (V)			C _{rss} (pF) @ V _{DS} (V)		Process No.	Pkg. No.		
		Min	I _G (μA)	Max	V _{DG} (V)	Min	Max	V _{DS} (V)	I _D (nA)	Min	Max	V _{DS} (V)	Min	Max	V _{DS} (V)	Max	V _{DS} (V)	Max	V _{DS} (V)	Max	V _{DS} (V)			Max	V _{DS} (V)
2N4117	TO-72	40	1	10	20	0.6	1.8	10	1	30	90	10	20	210	10	3	10	3	10	0	1.5	10	0	53	25
2N4117A	TO-72	40	1	1	20	0.6	1.8	10	1	30	90	10	70	210	10	3	10	3	10	0	1.5	10	0	53	25
2N4118	TO-72	40	1	10	20	1	3	10	1	80	240	10	80	250	10	5	10	3	10	0	1.5	10	0	53	25
2N4118A	TO-72	40	1	1	20	1	3	10	1	80	240	10	80	250	10	5	10	3	10	0	1.5	10	0	53	25
2N4119	TO-72	40	1	10	20	2	6	10	1	200	600	10	100	330	10	10	10	3	10	0	1.5	10	0	53	25
2N4119A	TO-72	40	1	1	20	2	6	10	1	200	600	10	100	330	10	10	10	3	10	0	1.5	10	0	53	25
NF5301	TO-72	30	1	1	15	0.6	3	10	1	30	500	10	70	300	10			3	10	0	1.5	10	0	53	25
NF5301-1	TO-72	30	1	1	15	0.6	1.8	10	1	30	500	10	70	300	10			3	10	0	1.5	10	0	53	25
NF5301-2	TO-72	30	1	1	15	1.7	3	10	1	30	500	10	70	300	10			3	10	0	1.5	10	0	53	25
NF5301-3	TO-72	30	1	1	15	1.0	2.4	10	1	30	500	10	70	300	10			3	10	0	1.5	10	0	53	25
PF5301	TO-92	30	1	1	15	0.6	3	10	1	30	500	10	70	300	10			3	10	0	1.5	10	0	53	92
PF5301-1	TO-92	30	1	1	15	0.6	1.8	10	1	30	500	10	70	300	10			3	10	0	1.5	10	0	53	92
PF5301-2	TO-92	30	1	1	15	1.7	3	10	1	30	500	10	70	300	10			3	10	0	1.5	10	0	53	92
PF5301-3	TO-92	30	1	1	15	1.0	3.4	10	1	30	500	10	70	300	10			3	10	0	1.5	10	0	53	92
PN4117	TO-92	40	1	10	20	0.6	2.8	10	1	30	90	10	20	210	10	3	10	3	10	0	1.5	10	0	53	92
PN4117A	TO-92	40	1	1	20	0.6	2.8	10	1	30	90	10	70	210	10	3	10	3	10	0	1.5	10	0	53	92
PN4118	TO-92	40	1	10	20	1	3	10	1	80	240	10	80	250	10	5	10	3	10	0	1.5	10	0	53	92
PN4118A	TO-92	40	1	1	20	1	3	10	1	80	240	10	80	250	10	5	10	3	10	0	1.5	10	0	53	92
PN4119	TO-92	40	1	10	20	2	6	10	1	200	600	10	100	330	10	10	10	3	10	0	1.5	10	0	53	92
PN4119A	TO-92	40	1	1	20	2	6	10	1	200	600	10	100	330	10	10	10	3	10	0	1.5	10	0	53	92