

Small Signal Leaded Devices

Field Effect Transistors

Dual-Gate MOSFET (cont.)

Type	Pkg	V _{DS} (V)	I _{DSS} (mA)	-V _{(P) GI-S} max (V)	yfs typ (mA/V)	NF and typ (dB)	GP typ (dB)	@ f MHz	C _{rs} typ fF	Appl
BF980	SOT-103	18	—	1.3	19	2.8	—	800	25	UHF
BF980A	SOT-103	18	—	20	19	2	—	800	25	UHF
BF981	SOT-103	20	4-25	2.5	14	1.0	26	200	25	VHF
BF982	SOT-103	20	—	1.3	25	1.2	—	200	30	VHF
BF988	SOT-103	12	2-18	2.5	24	1	—	—	—	VHF/UHF

High Frequency Transistors

TYPE	PKG	BV _{CEO} (V)	I _C (mA)	f _T (GHz)	@ I _C (mA)	NF typ (dB)	@ f (MHz)	@ I _C (mA)	P _G typ (dB)	@ f (MHz)
NPN										
2N2857	TO-72	15	40	>1	2	<4.5	450	1.5	15	500
2N5053	TO-72	15	25	1.2	2	<3.5	200	2	36	200
				1.4	25	<5	450	2	22	500
2N5054	TO-72	15	25	1.5	2	<3.5	200	2	36	200
				1.7	25	<4	450	2	22	500
2N6595	TO-72	15	25	>3.5	14	<3.2	200	2	16.5	500
2N6596	TO-72	15	25	>4	14	<2	200	2	18	500
2N6597	TO-72	12	35	>3.5	30	<3.2	200	2	14.5	500
2N6598	TO-72	12	35	>4	30	<2	200	2	15.5	500
2N6599	TO-72	15	75	>3.5	50	<4	200	5	12	500
2N6600	TO-72	15	75	>3.5	50	4	200	50	13.5	200
2N6601	TO-72	10	50	1.8	30	<4	200	2	21	200
						<5	500	2	7.5	800
BF496	TO-92	20	20	>0.3	2	—	—	—	—	—
BF498	TO-92	20	20	0.55	—	2.5	200	—	30	100
BF748	TO-92	20	50	1.2	—	4.5	100	—	20	100
MPSH10	TO-92	25	40	>0.65	4	—	—	—	—	—
BF506	TO-92	20	25	0.35	—	5	800	—	17.5	200
BF926	TO-92	20	25	0.35	1	5	200	1	17.5	200
BF970A	SOT-37	35	30	0.9	3	4.5	800	3	16.7	800
BF979	SOT-37	20	30	1.35	10	4.5	800	10	16	800
MPSH81	TO-92	20	—	>0.6	—	—	—	—	—	—

Wideband Transistors

Type	Package	Ratings			h _{FE}		NF		f _T typ. GHz	C _{re} typ. pF
		V _{CEO} V	V _{CBO} V	I _C mA	min./max. at I _C /V _{CE} mA/V	typ. at I _C dB	typ. at I _C mA			
NPN										
BF689K	TO-92	15	—	25	35/70	20/5	3	2	1.8	—
BF751	TO-92	14	20	35	50/200	20/10	2.7	5	6.5	0.65
BF763	TO-92	15	—	25	25/250	5/10	5	5	1.8	—
BFG34	SOT-103	18	25	150	25/ -	100/10	2.3	20	3.7	—
BFG65	SOT-103	10	20	50	60/ -	15/5	3	15	7.5	0.5
BFG90A	SOT-103	15	20	25	40/ -	14/10	2.4	14	5	0.35

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