



Polyfet™ Gold-Metalized RF Power FETs

F1000 SERIES HF to 1GHz

Polyfet Part #	Features	Gain (dB) Min.	Po (Watts)	Test Freq. (MHz)	Gm (MHO) Min.	Voltage	TYPICAL			Type	θjc °C/W	Cross Reference Part Number	REMARKS Chip Compliment
							Class	Coss	Crss				
F1001	Single ended, low noise, low gain compression	13	20	175	0.4	28	30	19.5	3.7	AA	3.5	ACR. VMIL20FT PHI DV2820S	1 F1A
F1001B	Single ended higher gain	16	20	175	0.8	28	30	19.5	3.7	AA	3.5	PHI DU2820S	1 F1B
F1002	Single ended, low noise, low gain compression	13	40	175	0.8	28	60	39	7.4	AA	2.1	ACR. VMIL40FT PHI DV2840S	2 F1A
F1002B	Single ended, higher gain	16	40	175	1.6	28	60	39	7.4	AA	2.1	PHI DU2840S	2 F1B
F1003	Single ended, low noise, low gain compression	13	60	175	1.2	28	90	58	11	AM	2.1	ACR. VMU60FT PHI DV2860U	3 F1A
F1003B	Single ended, higher gain	16	60	175	2.4	28	90	58	11	AM	2.1	PHI DU2860U	3 F1B
F1004	Single ended, low noise, low gain compression	13	80	175	1.6	28	120	78	15	AT	1.0	ACR. VMIL80FT PHI DV2880T	4 F1A
F1004B	Single ended, higher gain	16	80	175	3.2	28	120	78	15	AT	1.0	PHI DV2880T	4 F1B
F1005	Single ended, low noise, low gain compression	13	80	100	1.6	28	120	75	15	AM	1.0	MOT.MRF172 PHI DV2880U	4 F1A
F1005B	Single ended, higher gain	16	80	100	3.2	28	120	78	15	AM	1.0	PHI DU2880U	4 F1B
F1006	Single ended, low noise, low gain compression	12	120	175	2.4	28	180	117	22	AV	0.7	ACR. VMIL120FT PHI DV28120T	6 F1A
F1006B	Single ended, higher gain	14	120	175	4.8	28	180	117	22	AV	0.7	PHI DU28120T	6 F1B
F1007	Push-Pull higher gain-bandwidth product	13	20	400	0.8	28	30	19.5	3.7	AK	1.75	ACR. UMIL20FT	1+1 F1B
F1008	Push-Pull higher gain-bandwidth product	13	40	400	1.6	28	60	39	7.4	AK	1.05	ACR. UMIL40FT PHI UF2840G	2+2 F1B
F1009	Push-Pull low noise less gain compression	11	150	200	1.6	28	120	78	15	AH	0.5	ACR. VMIL150FT	4+4 F1A
F1012	Push-Pull higher gain-bandwidth product	10	100	500	2.4	28	90	58	11	AH	0.6		3+3 F1B
F1013	Single ended higher gain-bandwidth product, smaller footprint	13	20	550	0.8	28	30	19.5	3.7	AP	3.5		1 F1B
F1014	Single ended higher gain-bandwidth product, smaller footprint	13	40	400	1.6	28	60	39	7.4	AP	2.1		2 F1B
F1015	Push-Pull higher power higher gain-bandwidth	13	100	500	3.2	28	120	78	15	AH	0.5		4+4 F1B
F1016	Push-Pull, smaller footprint, higher gain-bandwidth	13	20	400	0.8	28	30	19.5	3.7	AQ	1.75	ACR. UMIL20FT	1+1 F1B
F1018	Push-Pull, smaller footprint, higher gain-bandwidth	10	100	500	2.4	28	90	58	11	AD	0.6	PHI UF28100V	3+3 F1B
F1020	Push-Pull, very high power, small footprint, high gain-bandwidth	10	130	400	4	28	150	97	18	AR	0.45	PHI DU28200M	5+5 F1B