



polyfet rf devices

Technical Bulletins

TB#	Freq Range	Po W	Gn dB	Sta ges	Tran sistors	Notes
197	30-512	2	11	1	L8821P	Mil Com 12.5V Low cost plastic
199	20-512	60	11	1	SK702	Military Com VDMOS
201	610-960	15	10	1	SK204	15W UHF amp
205	200-400	120	26	2	>LB501	Mil Comm
206	160-230	200	16	1	LR501	VHF Band III
207	500-1000	60	12	1	LB401	High Power Broadband
208	20-512	100	20	2	>SR703	Mil Comm 2 stage
210	30-400	100	25	2	>SR704U	High Power Broadband
211	300-400	4	12	1	L8721P	7.5V plastic transistor
212	30-470	100	12	2	LR501	30-470MHz High IMD Amp
213	10-1000	5	20	2	SQ202	P1dB 5W, Psat 10W, Ultra Broadband
214	20-1000	10	10	1	LQ801	Psat 20W, Ultra Broadband
215	20-1000	10	30	3	>SQ201--	High Gain Ultra Broadband
216	118-140	50	26	2	SM704	Avionics, Efficiency > 50%
217	30-512	10	10	1	LP801	Mil Comm, Low Power
218	30-162	3	15	1	L2711	7.2V, 45% Efficiency
219	20-512	15	10	1	LQ801	Mil Comm, Compact
220	20-512	25	10	1	LK802	Mil Comm, Compact
221	200-2000	60	10	1	GX3442	Broadband Gan Amp
222	1-1000	25	12	1	GX2441	Broadband Gan Amp, Low freq
223	20-35	30	17	1	L2701	VHF Surface Mount Device
224	30-512	1.5	10	1	SP201	Mil Comm, Driver
225	76-90	20	18	1	SA701	VHF - High Gain
226	1-1000	30	13	1	GX4441	Broadband Gan Amp, Low freq
227	10-100	10	13	1	LP801	Broadband LDMOS
228	20-1000	1	13	1	LP801	Linear Broadband, LDMOS
229	100-1000	80	14	1	LB2401	Broadband LDMOS
230	20-1000	80	14	1	LB2401	Broadband, push-pull LDMOS
231	100-470	10	13	1	LP801	Broadband single ended LDMOS
232	1000-2600	30	13	1	GP2441	High Freq, Broad Band, GaN
233	30-512	160	16	1	LR2501	Mil Comm, rugged
234	500-1000	80	14	1	LB2401	High Power Broadband
235	30-512	125	17	1	LR2401	Mil Comm, rugged
236	440-520	20	12	1	SC701	TETRA
237	100-400	160	18	1	LR2501	Mil Comm
238	170-700	10	13	1	GP2001	Single-ended 28V GaN
239	2-30	400	20	1	LY942	HF, Push pull, 50V Ldmos
240	1.5-120	100	20	1	LR2501	Push pull, 28V Ldmos, High Bvdss

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241	1.5-120	10	16	1	LP801	Single Ended, driver to TB240
242	1000-3000	10	10	1	GP1441	Broadband, high freq 48V GaN
243	1-1000	70	16	1	GX3442	Single-ended 48V GaN
244	1-1000	40	16	1	GX3441	Single-ended 48V GaN
245	760-960	140	13	1	LB2501	Public Safety, push-pull LDMOS
246	136-174	100	14	1	SR726	Commercial Comm, 12.5V Vdmos
247	380-520	200	16	1	LR2501	TETRA 28V 65% Ldmos, High Bvdss
248	225-2000	10	10	1	GP2441	Broadband GaN
249	30-512	150	16	1	LR2541	Mil Comm LDMOS, high gain
250	30-512	75	20	1	LR2401	Mil Comm LDMOS, distributed
251	225-400	70	10	1	SK702	Mil Comm VDMOS
252	118-138	25	30	2	1>SM724	Avionics Communications
253	1300	200	14	1	5E-008	L-band LDMOS
254	30-512	2	11	1	LP821	Mil Comm LDMOS, 12.5V
255	30-512	100	20	1	GX3442	Mil Comm GaN, simple layout
256	20-3000	5	10	1	GP2001	Ultra Broadband, GaN
257	20-2500	10	10	1	G22001	Ultra Broadband, surface-mount GaN
259	20-2000	10	13	1	G22001	Ultra Broadband, surface-mount GaN
260	136-870	7	16	1	G21001	Hand Held VHF_UHF Radio GaN
261	225-2500	5	14	1	GP1441	Broadband, 48V GaN
262	1000-2500	50	13	1	GP3441	Medium Power broadband, 48V GaN
263	30-512	180	16	1	LS2641	Mil Comm, High Power and Gain
264	1.6-30	200	20	1	LS2541HF	HF, 28VDC, -30dBc IM3
265	0.5-2.0	200	60	3	LS2541HF	AM, 28VDC, high gain
266	1.6-30	150	24	1	LS2541HF	HF, 24VDC, -30dBc IM3
267	1.6-30	500	25	1	LS2541HF	HF, 50VDC, 68% eff
268	0.5-5.0	100	43	2	LS2301	AM to HF
269	380-520	250	18	1	LS2641	TETRA, min 55% eff
270	88-108	450	21	1	LS2541FM	FM, min 75% eff
271	960-1215	800	15	1	LY2542LB	L-band pulse, internal matching
273	2-30	500	24	1	LY2541HF	HF, high gain and efficiency
274	500-2700	10	12	1	GP2001	GaN, broadband
275	30-512	100	18	1	LR2301	Mil Comm, high gain
277C	1200-1400	850	14	1	LY2542LR	L-band radar pulsed, internal matching
278	1-30	100	44	2	1-->LS2301	2-stage, IM3 -25dBc
279	2-30	1000	20	1	LY2542V	800W P1dB, 24dB
280	88-108	1000	21	1	LY2542V	630W P1dB, 23dB



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110A	30-88	100	15	1	SH703	Ground Mil Comm
111B	10-110	10	23	2	>SQ721	12V Mobile Wideband
117	10-200	100	12	1	SR704	High Power, Low Band Amp.
121	950-1250	2	10	1	SP201	L-band
123	890-915	5	17	2	>SP204	Cellular Amp, 5W, +47 dbm IP3
127	200-400	100	10	1	SD703	Air Mil Comm
128	1000	15	13	1	LP801	Ldmos Single Ended
131	920-960	30	12	1	LQ801	Ldmos Push Pull
133	760-960	8	10	2	>LP801	Driver for TB-131
134	760-960	50	10	1	LK802	Ldmos Push Pull
135	470-860	20	20	2	2 -->LQ801	UHF TV Broadcast
137	170-240	160	13	1	SR704	VHF Band III
139	850-900	5	28	2	5 --> LP801	Cell Band 9W 1dB Compression
141	30-500	40	10	1	SD702	Mil Comm; 65W @ 50-500Mhz
142	430-470	8	13	1	LP821	Land Mobile
144	500	7	10	1	L2711	7.5V Narrow band
145	88-108	300	40	2	SR746	FM Radio 2 Stages
147	450-470	10	10	1	LP821	12.5V Land Mobile Amp
148	450-470	35	10	1	LP722	12.5V Land Mobile Amp
150	470-860	45	10	1	LK802	UHF TV
151	800-900	35	10	1	LQ801	LDMOS PCS push pull
152	118-140	100	10	1	SM704	Avionics
153	30-512	40	20	2	>SD702	2 stage Mil Comm
155	910-960	35	12	1	LX401	Cellular Driver Amp
156	88-108	300	19	1	SR341	FM Radio Broadcast
157	118-140	100	30	2	--> SM704	2 stage Avionics
158A	10-1000	2	10	1	S8201	Ultra Broadband Amp
159C	160-230	300	14	1	SR401	VHF Band III
160	30-512	60	13	1	LR401	Mil Comm
161A	30-400	120	10	1	SR704U	Mil Comm
162	30-512	60	13	1	LB401	Mil Comm
163	30-512	4	11	1	SQ201	Mil Comm

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164	30-512	1.5	10	1	S8201	Mil Comm
165	30-512	10	13	1	SQ202	Mil Comm
166A	30-512	60	23	2	>LB401	Mil Comm
167D	30-512	100	22	2	>LB501A	Mil Comm
168	30-512	2	12	1	L2821	Mil comm 12.5V
169	30-512	20	13	1	LB421	Mil Comm 12.5V
170	30-512	18	25	2	>LB421	Mil Comm 12.5V
171B	450-470	15	10	1	LP721	Mobile 12.5V
172	2-30	300	18	1	SM341 X 2	HF Band 50V
173	135-175	18	10	1	LQ821	VHF Mobile 12.5V
174	138-153	4	13	1	LP721	VHF Mobile 9V
175	360-480	40	28	2	SQ701	VHF 2 Stages
176	30-174	200	10	1	SR401	High Power Broadband
177	2-30	200	23	1	SM401 X 2	HF Band 28V
178	136-174	7	11	1	L8821P	VHF 12.5V Surface Mount plastic
179	30-88	35	13	1	SQ701	Ground Mil Comm 28V
180	50-88	350	18	1	SR401 X 2	VHF Band I 350W 1db Compression
181	118-165	150	17	1	SR704	150W 1dB Compression
182	100-500	100	12	1	LR401	Mil Comm
183D	1.5-30	300	20	1	SR341	Shortwave IMD>-34dBc Vdd=50V
184	1.5-30	125	18	1	SR401	Shortwave IMD>-30dBc Vdd=24V
185	290-320	200	16	1	LR301	Sat Comm
186	160-230	300	16	1	LR301	High Power VHF TV
187	900-930	10	10	1	LQ601	Cellular 12.5V
188	1.5-30	20	25	2	>SQ701	Shortwave IMD>-40dBc Vdd=24V
189	700-800	10	12	1	LQ601	New PCS Band Vdd=12.5V
191	850-870	100	10	1	LB401	LDMOS PCS Push Pull
192	850-870	10	10	1	SQ202	PCS Band driver Vdd=28V
193A	160-230	300	13	1	SR341	VHF Band III Vdd=50V
194	47-160	300	15	1	SR341	VHF Band Vdd=50V
195	430-450	300	11	1	LR301	Pulsed Radar Amp
196	100-400	120	12	1	SR746	50V Mil Com