

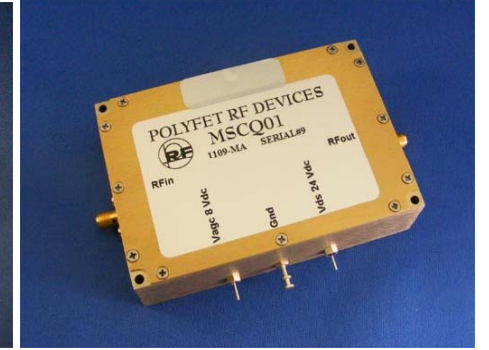
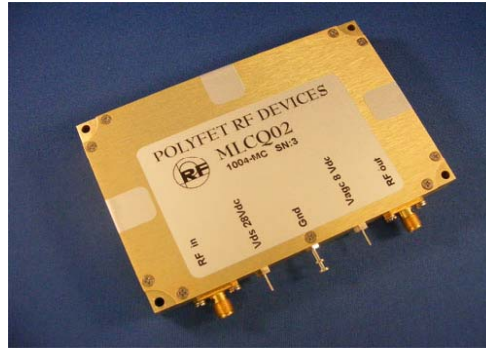


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Broad Band RF Power MOSFET Transistors Technical Bulletins

TB#	Freq Range	Po W	Gn dB	Sta ges	Tran sistors	Notes
178	136-174	7	11	1	L8821P	VHF 12.5V Surface Mount
179	30-88	35	13	1	SQ701	Military 28V
180	50-88	350	18	1	SR401 X 2	TV 350W 1db Compression
181	118-165	150	17	1	SR704	150W 1dB Compression
182	100-500	100	12	1	LR401	100W 100-500Mhz
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	200W 1dB Compression
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	PCS Band Vdd=28V
192	850-870	10	10	1	SQ202	PCS Band driver Vdd=28V
193A	160-230	300	13	1	SR341	TV Band 2 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 Broadband Amp
197	30-512	2	11	1	L8821P	Mil Broadband 12.5V Low cost
199	20-512	60	11	1	SK702	Military Broadband 28V 60W
200	20-1000	45	10	1	LB401	JTRS 45W amp
201	610 - 960	15	10	1	SK204	15W high freq amp
202	150	400	16	1	SR341	50V Pulsed Radar Amp
203	476-776	0.05	15	1	LP801	Linear UHF driver amp
204	476-776	0.1	13	1	LP802	Linear UHF driver amp
205	200-400	120	26	2	>LB501	200- 400 Mhz Broadband Amp
206	160-230	200	16	1	LR501	High Power VHF TV Band 2
207	500-1000	60	12	1	LB401	High Power Broadband
208	20-512	100	20	2	>SR703	High Power Broadband
210	30-400	100	25	2	>SR704U	High Power Broadband
211	300-400	4	12	1	L8721P	7.5V Low Power Amp
212	30-470	100	12	2	LR501	30-470MHz High IMD Amp

TB#	Freq Range	Po W	Gn dB	Sta ges	Tran sistors	Notes
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	->LQ801	High Gain Ultra Broadband
216	118-140	50	26	2	->SM704	Efficiency > 50%
217	30-512	10	10	1	LP801	Low Power Broadband
218	30-162	3	15	1	L2711	7.2V, 45% Efficiency



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103	600-800	20	13	1	SK204	UHF, high gain
104	470-860	20	13	1	SK204	5W TV Linear 54 dB IMD
105	470-860	20	20	2	>SK204	20 Watt, UHF, TV band
106	100-500	80	10	1	SH702	Mil Comm Amp
107-1A	150-400	120	10	1	SR704U	Mil Comm Amp
108	100-400	100	40	3	->SK703	Mil Comm Amp
109	225-400	40	35	3	->SK702	Mil Comm Amp
110A	30-88	100	15	1	SH703	High Gain P.A.
111B	10-110	10	23	2	>SQ721	12V Mobile Wideband
113	100-200	150	13	1	SR703	High Power P.A.
115	175	160	13	1	SM704	SM704 Test Fixture
116	600-800	10	33	3	->SK204	24V CW Linear or pulse operation
117	10-200	100	12	1	SR704	High Power, Low Band Amp.
120	440-840	8	10	1	SP204	UHF 8 W Amp
121	950-1250	2	10	1	SP201	1 Ghz Amp
122	1000	20	10	1	SK204	SK204 Test Fixture
123	890-915	5	17	2	>SP204	Cellular Amp, 5W, +47 dbm IP3
125	285	150	13	1	SD703	285 Mhz 150W Paging Amplifier
127	200-400	100	10	1	SD703	200-400 Mhz 100W Amplifier
128	1000	15	13	1	LP801	Ldmos Single Ended
129	285	180	25	2	>SD743	50V Paging amplifier
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	>LQ801	TV Broadcast
137	170-240	160	13	1	SR704	High Gain Amp
139	850-900	5	28	2	LP801	Cell Band 9W 1dB Compression
140	88-108	300	20	1	SR341	FM Radio
141	30-500	40	10	1	SD702	BroadBand; 65W @ 50-500Mhz
142	430-470	8	13	1	LP821	Land Mobile
143	400-1000	25	10	1	LQ801	28V 400-1000 Mhz 25W CW
144	500	7	10	1	L2711	7.5V 7Watt 500 Mhz Amp

TB#	Freq Range	Po W	Gn dB	Sta ges	Tran sistors	Notes
145	88-108	300	40	2	SR746	FM Radio 2 Stages
146	850	6	10	1	L2821	12.5V Surface Mount
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	CELL
152	118-140	100	10	1	SM704	See also TB-157
153	30-512	40	20	2	>SD702	2 stage Military Band Amp
154	500	120	14	1	LR/LB401	High Gain power amp
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 of TB 152
158A	10-1000	2	10	1	S8201	Ultra Broadband Amp
159B	160-230	300	14	1	SR401	High Performance VHF TV
160	30-512	60	13	1	LB/LR401	Military Broadband
161A	30-400	120	10	1	SR704U	Military Broadband
162	30-512	60	13	1	LB401	Military Broadband
163	30-512	4	11	1	SQ201	Military Broadband
164	30-512	1.5	10	1	S8201	Military Broadband
165	30-512	10	13	1	SQ202	Military Broadband
166A	30-512	60	23	2	>LB401	Military Broadband
167D	30-512	100	22	2	>LB501	Military Broadband
168	30-512	2	12	1	L2821	Military Broadband 12.5V
169	30-512	20	13	1	LB421	Military Broadband 12.5V
170	30-512	18	25	2	>LB421	Military Broadband 12.5V
171	450-470	15	10	1	LP721	Military Broadband 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



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Table with columns: LDMOS, Flanged Mount, 28 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Table with columns: LDMOS, Surface Mount, 28 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Table with columns: LDMOS, Flanged Mount, 12.5 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Table with columns: LDMOS, Surface Mount, 12.5 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Broad Band RF Power MOSFET LDMOS Transistors

Table with columns: LDMOS, Surface Mount, 7.5 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Table with columns: LDMOS, Flanged Mount, 50 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

GALLIUM NITRIDE TRANSISTORS -- NEW PRODUCT

Table with columns: GaN, Flanged Mount, 48 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Modules

Table with columns: Part No, Pout, Freq, Freq Gain, W, Mhz, Mhz, dB, Vdd, Notes.



polyfet rf devices

Table with columns: VDMOS S Series, Flanged Mount, 28 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

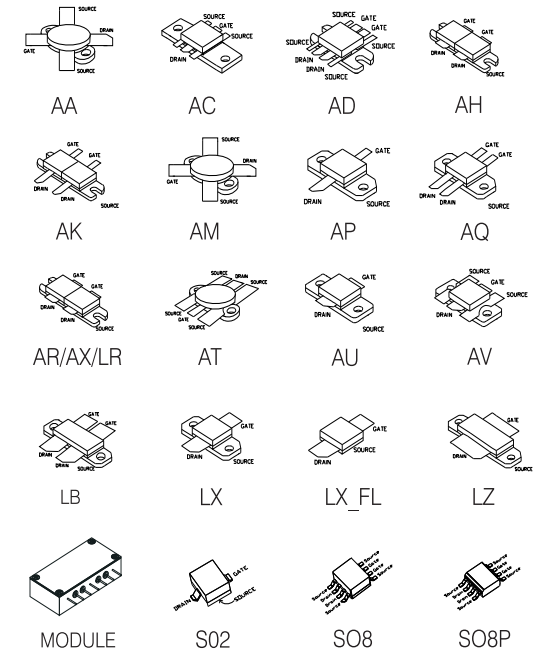
Table with columns: VDMOS S Series, Surface Mount, 28 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Table with columns: VDMOS S Series, Flanged Mount, 12.5 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Broad Band RF Power MOSFET VDMOS Transistors

Table with columns: VDMOS S Series, Surface Mount, 12.5 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.

Table with columns: VDMOS S Series, Flanged Mount, 50 Volt. Columns include Pout, Freq, Gain, theta, gm, Idsat, Ciss, Crss, Coss, Part No, W, Mhz, dB, jc, mho, A, pf, pf, pf, Style, Pkg.



Note:- Pout is minimum power out at specified frequency of test. Transistors are not internally matched and can operate well below and slightly above frequency of test.