

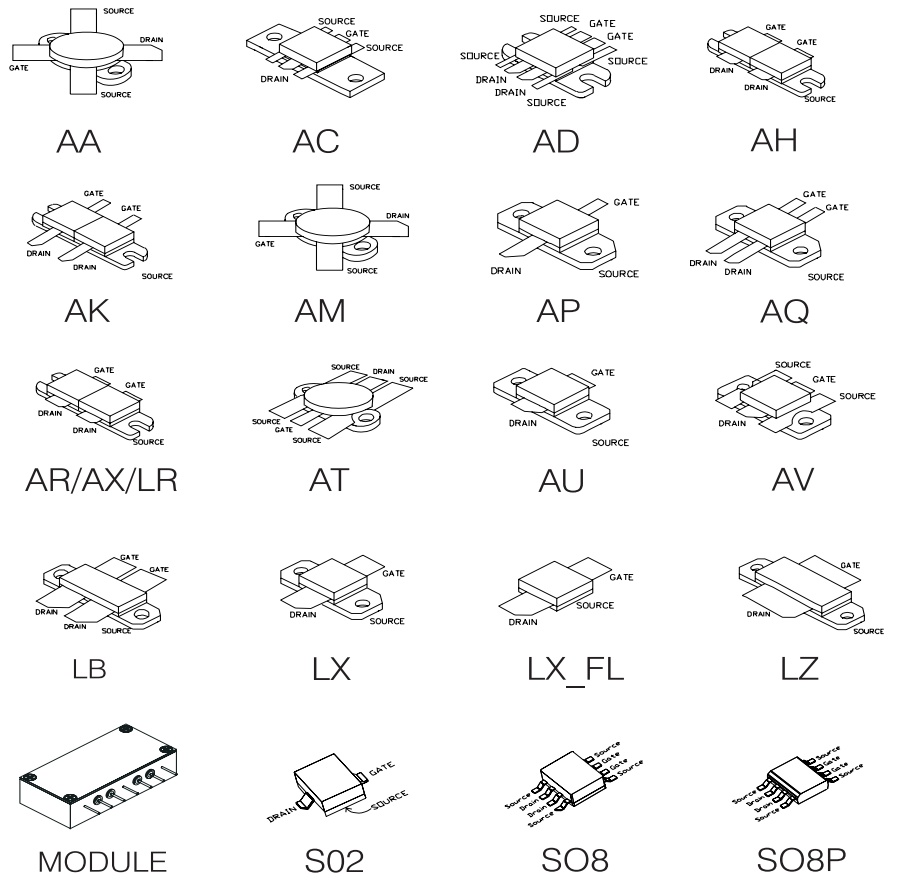


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Broad Band RF Power MOSFET Transistors Technical Bulletins

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
183A	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 Broadba
214	20-1000	10	10	1	LQ801	Psat 20W, Ultra Broadband
215	20-1000	10	30	3	->LQ801	High Gain Ultra Broadband



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Broad Band RF Power MOSFET Transistors Technical Bulletins

TB#	Freq Range	Po W	Gn dB	Sta ges	Tran sistors	Notes
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.
111A	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
166	30-512	60	23	2	>LB401	Military Broadband
167B	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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Broad Band RF Power MOSFET LDMOS Transistors

LDMOS

28 Volt

Part No	Pout W	Freq Mhz	Gain dB	theta jc	gm mho	Idsat A	Ciss pf	Crss pf	Coss pf	Style	Pkg
LC801	20	500	13	3.40	0.8	5.5	30	1	15	Single	AC
L88016	30	500	14	1.80	0.8	5.5	30	1	15	Push -	AQ
LP701	35	500	12	1.80	1.6	10.0	60	1.6	30	Single	AP
LC401	60	500	12	1.30	2.7	17.0	80	4	50	Single	AC
LP702	70	500	12	1.00	3.2	20.0	120	3.2	60	Single	AP
LK701	70	500	14	1.00	1.6	10.0	60	1.6	30	Push -	AK
LK702	90	500	13	0.60	3.2	20.0	120	3.2	60	Push -	AK
LX501	100	500	12	0.75	4.8	30.0	150	7.5	100	Single	LX2
LZ402	125	500	12	0.75	5.4	34.0	160	8	100	Single	LZ
LB401	130	500	14	0.75	2.7	17.0	80	4	50	Push -	LB
LR401	130	500	14	0.75	2.7	17.0	80	4	50	Push -	LR
LB501	175	500	13	0.44	4.8	30.0	150	7.5	100	Push -	LB
LR501	175	500	13	0.44	4.8	30.0	150	7.5	100	Push -	LR
LP801	15	1000	12	3.40	0.8	5.5	30	1	15	Single	AP
LQ801	30	1000	12	1.80	0.8	5.5	30	1	15	Push -	AQ
LP802	30	1000	12	1.80	1.6	11.0	60	2	30	Single	AP
LX802	30	1000	12	1.80	1.6	11.0	60	2	30	Single	LX2
LX803	45	1000	12	1.40	2.4	16.5	90	3	45	Single	LX2
LK802	45	1000	12	1.10	1.6	11.0	60	2	30	Push -	AK
LX401	60	1000	10	1.30	2.7	17.0	80	4	50	Single	LX2
LB803	80	1000	12	0.75	2.4	16.5	90	3	45	Push -	LB
LR804	120	1000	10	0.50	3.2	22.0	120	4	60	Push -	LR
LP601	7	1500	10	3.60	0.5	4.0	16	0.8	13	Single	AP
LQ601	12	1500	10	1.80	0.5	4.0	16	0.8	13	Push -	AQ
LK602	20	1500	10	1.10	1.0	8.0	32	1.6	26	Push -	AK
LB603	30	1500	10	0.80	1.5	12.0	48	2.4	39	Push -	LB
LR604	40	1500	10	0.55	2.0	16.0	64	3.2	52	Push -	LR
LR301	300	350	13	0.38	7.2	50.0	200	10	135	Push -	LR

LDMOS

Surface Mount

28 Volt

Part No	Pout W	Freq Mhz	Gain dB	theta jc	gm mho	Idsat A	Ciss pf	Crss pf	Coss pf	Style	Pkg
L8701P	30	500	13	2.50	1.6	10.0	60	1.6	30	Single	S08P
L2701	30	500	13	1.80	1.6	10.0	60	1.6	30	Single	S02
L2601	7	1500	10	3.60	0.5	4.0	16	0.8	13	Single	S02
L8801P	15	1000	12	3.40	0.8	5.5	30	1	15	Single	S02
L2801	15	1000	12	3.40	0.8	5.5	30	1	15	Single	S02

LDMOS

12.5 Volt

Part No	Pout W	Freq Mhz	Gain dB	theta jc	gm mho	Idsat A	Ciss pf	Crss pf	Coss pf	Style	Pkg
LC821	8	500	10	3.40	1.0	7.5	33	2	24	Single	AC
LP821	10	500	12	3.40	1.0	7.5	33	2	24	Single	AP
LQ821	20	500	12	1.80	1.0	7.5	33	2	24	Push -	AQ
LP721	20	500	10	1.80	1.7	13.0	50	2	40	Single	AP
LC421	25	500	8	1.30	2.7	17.0	80	5	60	Single	AC
LK721	35	500	10	1.00	1.7	13.0	50	2	40	Push -	AK
LP722	35	500	10	1.00	3.4	26.0	100	4	80	Single	AP
LB421	35	500	13	0.75	2.7	17.0	80	5	60	Push -	LB
LK822	40	400	12	1.10	2.0	15.0	66	4	48	Push -	AK
LK722	45	500	11	0.50	3.4	26.0	100	4	80	Push -	AK
LX521	45	500	10	0.75	5.1	39.0	150	7.5	100	Single	LX2

LDMOS

Surface Mount

12.5 Volt

Part No	Pout W	Freq Mhz	Gain dB	theta jc	gm mho	Idsat A	Ciss pf	Crss pf	Coss pf	Style	Pkg
L8821P	5	500	13	5.00	1.0	7.5	33	2	24	Single	S08P
L2821	8	500	13	3.40	1.0	7.5	33	2	24	Single	S02
L2721	15	500	11	1.80	1.7	13.0	50	2	40	Single	S02
L8721P	15	500	11	2.50	1.7	13.0	50	2	40	Single	S08P

LDMOS

Surface Mount

7.5 Volt

Part No	Pout W	Freq Mhz	Gain dB	theta jc	gm mho	Idsat A	Ciss pf	Crss pf	Coss pf	Style	Pkg
L2711	7	500	10	1.80	1.7	13.0	50	2	40	Single	S02
L8711P	7	500	10	2.50	1.7	13.0	50	2	40	Single	S08P

Modules

Part No	Pout W	Freq Mhz	Freq Mhz	Gain dB	Vdd	Notes
MADK21	5	30	88	25	12.5	Bottom Mount
MADL01	10	20	110	25	28.0	Bottom Mount
MCDK21	10	30	88	25	12.0	Thru Hole
MHCV01	10	20	1000	23	28.0	Ultra Broad Band
MDDQ02	15	30	512	25	28.0	Two Vdds
MGDQ01	15	30	512	25	28.0	SMA connectors
MADQ01	15	30	470	25	28.0	Bottom Mount
MADQ02	15	30	512	25	28.0	Bottom Mount
MCCQ01	15	20	520	27	25.0	Thru Hole
MBDQ01	30	30	470	10	28.0	Reverse I/O



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Broad Band RF Power MOSFET VDMOS Transistors

VDMOS S Series

28 Volt

Part No	Pout W	Freq Mhz	Gain dB	theta jc	gm mho	Idsat A	Ciss pf	Crss pf	Coss pf	Style	Pkg
SA701	25	175	13	2.80	1.2	7	50	3	32	Single	AA
SC701	20	500	10	2.80	1.2	7	50	3	32	Single	AC
SA702	50	175	13	1.40	2.4	14	100	6	64	Single	AA
SM703	80	175	13	1.00	3.6	21	150	9	96	Single	AM
ST703	80	175	13	1.00	3.6	21	150	9	96	Single	AT
SM704	125	150	13	0.85	4.8	28	200	12	128	Single	AM
SM705	150	150	13	0.75	6	35	250	15	160	Single	AM
SM706	135	175	11	0.65	7.2	42	300	18	192	Single	AM
SM401	135	175	11	0.65	7.2	42	210	13	200	Single	AM
SR704	300	175	12	0.50	4.8	28	200	12	128	Push -	AR
SR401	300	175	13	0.38	7.2	42	210	13	200	Push -	AR
SX501	350	175	16	0.34	9	47	250	15	230	Push -	AX
SR706	300	225	13	0.35	7.2	42	300	18	192	Push -	AR
SR704U	150	400	10	0.50	4.8	28	200	12	128	Push -	AR
SR705	200	400	10	0.40	6	35	250	15	160	Push -	AR
SP701	25	500	10	2.80	1.2	7	50	3	32	Single	AP
SP702	40	500	10	1.40	2.4	14	100	6	64	Single	AP
SQ701	45	500	10	1.40	1.2	7	50	3	32	Push -	AQ
SK701	45	500	10	1.40	1.2	7	50	3	32	Push -	AK
SK702	90	500	10	0.85	2.4	14	100	6	64	Push -	AK
SD702	90	500	10	0.85	2.4	14	100	6	64	Push -	AD
SH702	90	500	10	0.85	2.4	14	100	6	64	Push -	AH
SH703	130	400	10	0.65	3.6	21	150	9	96	Push -	AH
SD703	110	500	10	0.65	3.6	21	150	9	96	Push -	AD
SR703	150	500	8	0.65	3.6	21	150	9	96	Push -	AR
SP201	4	1000	10	10.00	0.3	1.4	10	0.6	6	Single	AP
SQ201	8	1000	10	7.00	0.3	1.4	10	0.6	6	Push -	AQ
SP202	8	1000	10	7.00	0.6	2.8	20	1.2	12	Single	AP
SQ202	10	1000	10	3.40	0.6	2.8	20	1.2	12	Push -	AQ
SK202	10	1000	10	3.40	0.6	2.8	20	1.2	12	Push -	AK
SP203	12	1000	10	5.00	0.9	4.2	30	1.8	18	Single	AP
SP204	15	1000	10	3.40	1.2	5.6	40	2.4	24	Single	AP
SK204	25	1000	10	1.60	1.2	5.6	40	2.4	24	Push -	AK

VDMOS S Series

Surface Mount

28 Volt

Part No	Pout W	Freq Mhz	Gain dB	theta jc	gm mho	Idsat A	Ciss pf	Crss pf	Coss pf	Style	Pkg
S8201	4	1000	10	10.00	0.3	1.4	10	0.6	6	Single	S08
S8202	8	1000	10	7.00	0.6	2.8	20	1.2	12	Single	S08

VDMOS S Series

12.5 Volt

Part No	Pout W	Freq Mhz	Gain dB	theta jc	gm mho	Idsat A	Ciss pf	Crss pf	Coss pf	Style	Pkg
ST724	60	175	10	0.85	5.2	38.0	180	14	220	Single	AT
SM724	60	175	10	0.85	5.2	38.0	180	14	220	Single	AM
SD723	60	175	13	0.65	3.9	28.5	135	10.5	165	Push -	AD
SP721	15	400	10	2.80	1.3	9.5	45	3.5	55	Single	AP
SC721	15	400	8	2.80	1.3	9.5	45	3.5	55	Single	AC
SP722	20	400	10	1.40	2.6	19.0	90	7	110	Single	AP
SQ721	25	400	10	1.40	1.3	9.5	45	3.5	55	Push -	AQ
SK722	40	400	10	0.85	2.6	19.0	90	7	110	Push -	AK
SC221	2	850	10	10.00	0.3	2.3	9	0.5	8	Single	AC
SP221	2	850	10	10.00	0.3	2.3	9	0.5	8	Single	AP
SQ221	4	850	10	6.00	0.3	2.3	9	0.5	8	Push -	AQ

VDMOS S Series

Surface Mount

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