

### 3.7.1.6 3.5 - 3.8 GHz line-up

Function	Type	Package	$f_{\text{range}}$	$P_{L(AV)}$	$\eta_D$	$G_p$	$@V_{DS}$
			MHz	W	%	dB	V
driver	BLF6G38-10(G)	SOT975	3400 – 3600	2	20	14	28
driver	BLF6G38(S)-25	SOT608	3400 – 3800	4.5	24	15	28
driver	BLF6G38(LS)-50	SOT502	3400 – 3800	9	23	14	28
final	BLF6G38(LS)-100	SOT502	3400 – 3600	18.5	21.5	13	28

### 3.7.1.7 Power LDMOS Doherty designs

Freq band (MHz)	PPEAK (dBm)	POUT-AVG (dBm)	VDS (V)	Gain (dB)	Drain Eff. (%)	Type	Main transistor	Peak transistor
<b>728-821 MHz</b>								
790-821	54.5	47.5	28	20	50	SYM	1/2 BLF7G10-300P	1/2 BLF7G10-300P
790-821	55.5	47	28	19	42	SYM	1/2 BLF6G10-260PRN	1/2 BLF6G10-260PRN
790-821	57.2	49.5	32	19	42	SYM	BLF6G10LS-200RN	BLF6G10LS-200RN
728-768	58	50	32	19	47	SYM	BLF6G10LS-200RN	BLF6G10LS-200RN
<b>869-960 MHz</b>								
869-894	52	44	28	20	48	SYM	BLF6G10S-45	BLF6G10S-45
869-894	52.7	44.5	28	15	50	3-WAY	BLF6G10S-45	2x BLF6G10S-45
869-894	53	45	28	tbd	tbd	SYM	1/2 BLF7G10LS-160P	1/2 BLF7G10LS-160P
920-960	53	45	25	tbd	tbd	SYM	1/2 BLF7G10LS-160P	1/2 BLF7G10LS-160P
920-960	56.2	48	28	18.5	40	SYM	BLF6G10-135RN	BLF6G10-135RN
869-894	58	50	32	20.5	46	SYM	BLF6G10-200RN	BLF6G10-200RN
925-960	58.3	50	32	21	39	SYM / MMPP	1/2 BLF6G10-260PRN	1/2 BLF6G10-260PRN
925-960	58.9	50	32	22	44	SYM / MMPP	1/2 BLF6G10-260PRN	1/2 BLF6G10-260PRN
869-894	58	tbd	28	tbd	tbd	ASYM	BLF6G10-200RN	BLF7G10-300P
<b>1476-1511 MHz</b>								
1476-1511	58	tbd	28	tbd	tbd	ASYM	BLF6G15-250PB	BLF6G15-250PB
1476-1511	58.1	49.6	28	16	42	ASYM	BLF7G15LS-200	BLF7G15LS-300P
<b>1805-1880 MHz (DCS)</b>								
1805-1880	52	44	27	14.5	42	SYM	1/2 BLC6G20-130PG	1/2 BLC6G20-130PG
1805-1880	52.5	44.5	28	16	44	SYM	1/2 BLF7G20LS-160P	1/2 BLF7G20LS-160P
1805-1880	55	47	32	16	38	SYM	1/2 BLF6G20-230PRN	1/2 BLF6G20-230PRN
1805-1880	55	47	28	15	40	SYM	BLF6G18-140	BLF6G18-140
1805-1880	55.5	47	28	16	41	SYM	1/2 BLF7G20-250P	1/2 BLF7G20-250P
1805-1880	57.5	49.5	30	16	42	SYM	BLF7G20LS-200	BLF7G20LS-200
1805-1880	57.9	50	32	15.5	37	SYM / MMPP	BLF6G20-230PRN	BLF6G20-230PRN
1805-1880	58.2	50	28	16	42	SYM / MPPM	BLF7G20LS-250P	BLF7G20LS-250P
<b>1930-1990 MHz (PCS)</b>								
1930-1990	53	45	28	16.5	40	SYM	BLF6G20-75	BLF6G20-75
1930-1990	55.2	46.4	28	16	39	SYM	1/2 BLF7G20LS-250P	1/2 BLF7G20LS-250P
1930-1990	56	48	31	15.3	38	SYM	BLF6G20-140	BLF6G20-140
1930-1990	56	49	31	17	41	SYM	2x BLF6G20-75	2x BLF6G20-75
1930-1990	57.5	49.5	28	tbd	tbd	SYM	BLF7G20LS-200	BLF7G20LS-200
1930-1990	58	50	32	15.5	37	SYM	BLF6G20-230PRN	BLF6G20-230PRN
1930-1990	58.2	50	28	16	40	SYM	BLF7G20LS-250P	BLF7G20LS-250P
<b>1880-2025 MHz (TD-SCDMA)</b>								
2010-2025	47	39	28	14.4	41	SYM	BLD6G21-50	BLF6G21-50
1880-2025	50	42	28	17	46	SYM	1/2 BLF7G20-90P	1/2 BLF7G20-90P
2010-2025	50	42	28	17.2	47.2	SYM	1/2 BLF7G20-90P	1/2 BLF7G20-90P
1880 - 1920	52.5	44.5	28	16	44	SYM	1/2 BLF7G20LS-160P	1/2 BLF7G20LS-160P
<b>2110-2170 MHz (UMTS / LTE)</b>								
2110-2170	47	39	28	13	38	SYM	BLD6G22-50	BLF6G22-50
2110-2170	54.7	46.5	28	16.5	43	SYM	BLF6G22-100	BLF6G22-100
2110-2170	54.9	47	28	17	43	SYM	BLF7G22-130	BLF7G22-130
2110-2170	55	47	28	15.5	38	SYM	BLF6G22-130	BLF6G22-130
2110-2170	55.5	46.4	28	15	43	ASYM	BLF7G22LS-130	BLF7G22LS-200
2110-2170	56	48	28	15	48	3-WAY	BLF7G22-130	7G22-130/7G22-130
2110-2170	56.5	48.5	28	16.2	41	SYM	BLF7G22-200	BLF7G22-200
2110-2170	57	49	32	14.5	41	ASYM	BLF6G22-100	BLF6G22-180PN
2110-2170	58	50	32	15	40	SYM	BLF6G22-180PN	BLF6G22-180PN
2110-2170	58.5	51	tbd	tbd	tbd	SYM	BLF7G22LS-250P	BLF7G22LS-250P
2110-2170	59	51	tbd	tbd	tbd	3-WAY	BLF7G22LS-160	BLF7G22LS-160
2110-2170	55	47	28	17	43	SYM	1/2 BLF7G22LS-250P	1/2 BLF7G22LS-250P
<b>2300-2400 MHz (WiBRO / LTE)</b>								
2300-2400	49.5	42	28	14.5	43	SYM	1/2 BLF7G27-75P	1/2 BLF7G27-75P
2300-2400	52	44.5	28	tbd	tbd	ASYM	BLF7G27S-50	BLF7G27LS-100
2300-2400	52.5	45	28	tbd	tbd	SYM	1/2 BLF7G27LS-150P	1/2 BLF7G27LS-150P
<b>2500-2700 MHz (WiMAX / LTE)</b>								
2570-2620	49.5	42	28	15	43	SYM	1/2 BLF7G27-75P	1/2 BLF7G27-75P
2500-2700	50	42	28	15	37.5	SYM	BLF6G27-45	BLF6G27-45
2500-2600	52	44	28	14	40	ASYM	BLF6G27-45	2x BLF6G27-45
2600-2700	52	44	28	14	40	ASYM	BLF6G27-45	2x BLF6G27-45
2600-2700	52	44	28	14	40	ASYM	BLF6G27-45	BLC6G27-100
2500-2700	52.5	44.5	28	14	38	SYM	1/2 BLF6G27-150P	1/2 BLF7G27-150P
2300-2400	52.5	45	28	tbd	tbd	SYM	1/2 BLF7G27LS-150P	1/2 BLF7G27LS-150P
2500-2700	55	47	28	tbd	tbd	ASYM	BLF7G27LS-100	BLF7G27LS-140
2500-2700	56.5	tbd	tbd	tbd	tbd	ASYM	BLF7G27L-140B	BLF7G27L-250PB
<b>3300-3800 MHz (WiMAX)</b>								
3400-3600	49.5	41.5	28	tbd	tbd	SYM	1/2 BLF7G38LS-75P	1/2 BLF7G38LS-75P
3400-3600	51	43	28	11.5	32	SYM	BLF6G38-50	BLF6G38-50
3400-3600	52.5	44.5	28	tbd	tbd	SYM	BLF7G38-75	BLF7G38-75