

3.7.1.9 Single Package Asymmetric Doherty (PAD) power transistors (continued)

Type	Product	f _{min} (MHz)	f _{max} (MHz)	P1dB (W)	Matching	VDS (V)	P _L (W)	η _D (%)	G _P (dB)	Test signal	Package
BLC8G27LS-245AV*	ACP PAD	2500	2700	245	I/O	28	56	43	14.5	2-c WCDMA	SOT1251
BLC8G27LS-310AV*	ACP PAD	2500	2700	310	I/O	28	tbd	tbd	tbd	2-c WCDMA	SOT1258
BLC9G38LS-100AV*	ACP PAD	3400	3800	100	I/O	28	tbd	tbd	tbd	2-c WCDMA	SOT1275
BLC9G38LS-160AV*	ACP PAD	3400	3800	160	I/O	28	tbd	tbd	tbd	2-c WCDMA	SOT1275

3.7.1.10 OMP power transistors

Type	Product	f _{min} (MHz)	f _{max} (MHz)	P1dB (W)	Matching	VDS (V)	P _L (W)	η _D (%)	G _P (dB)	Test signal	Package
BLP7G22-05	Driver	700	2200	5	-	28	1	26	17	2-c WCDMA	SOT1179
BLP7G22-10		700	2200	10	-	28	2	26	17	2-c WCDMA	SOT1179
BLP8G10S-45P(G)	Driver/final	700	1000	45	I/O	28	2.5	21.4	21.5	2-c WCDMA	SOT1223/4
BLP8G22S-60P(G)		1800	2200	60	I/O	28	4	20	18	2-c WCDMA	SOT1223/4
BLP7G07S-140P	Final	700	900	140	O	28	35	28	19	2-c WCDMA	SOT1223
BLP7G09S-140P(G)*		900	1000	140	O	28	35	28	19	2-c WCDMA	SOT1223/4
BLP8G21S-160PV		1800	2025	160	I/O	28	45	33	18	2-c WCDMA	SOT1223
BLP8G10S-200P(G)*		700	1000	200	I/O	28	40	28.5	20	2-c WCDMA	SOT1223/4

3.7.1.11 MMIC power transistors

Type	Product	f _{min} (MHz)	f _{max} (MHz)	P1dB (W)	Matching	VDS (V)	P _L (W) ⁽¹⁾	η _D (%)	G _P (dB)	Test signal	Package
BLM8G0710S-15PB(G)*	MMIC	700	1000	15	I/O	28	1.5	45	32	1-c WCDMA	SOT1212
BLM8G0710S-30PB(G)*		700	1000	30	I/O	28	3.0	45	32	1-c WCDMA	SOT1212
BLM8G0710S-45AB(G)*		700	1000	45	I/O	28	3.0	45	32	1-c WCDMA	SOT1212
BLM7G1822S-20PB(G)*		1800	2200	20	I/O	28	2.0	23.5	32	1-c WCDMA	SOT1212
BLM7G1822S-40AB(G)*		1800	2200	40	I/O	28	2.0 / 4.0	23.5	31.5	1-c WCDMA	SOT1212
BLM7G1822S-40PB(G)		1800	2200	40	I/O	28	4.0	25	31.5	1-c WCDMA	SOT1212
BLM7G1822S-60PB(G)*		1800	2200	60	I/O	28	3.0	23	31	1-c WCDMA	SOT1212
BLM7G22S-60PB(G)		2100	2200	60	I/O	28	1.6	11	31.5	1-c WCDMA	SOT1212
BLM7G1822S-80AB(G)*		1800	2200	80	I/O	28	4.0 / 8.0	23	31	1-c WCDMA	SOT1212
BLM7G24S-30B(G)		2100	2400	30	I/O	28	3.0	11.3	31.5	1-c WCDMA	SOT1212

⁽¹⁾ P_L per section

3.7.1.12 Small-cell power transistors

Part Number	Type	f _{min} (MHz)	f _{max} (MHz)	P1dB (W)	Matching	VDS (V)	P _L (W)	η _D (%)	G _P (dB)	Test signal	Package
BLP8G0727S-05	OMP driver	700	2700	5	-	28	tbd	tbd	tbd	2-c WCDMA	SOT1179
BLP8G0727S-10	OMP driver	700	2700	10	-	28	tbd	tbd	tbd	2-c WCDMA	SOT1179
BLM8G0710S-15PB(G)	OMP MMIC	700	1000	15	I/O	28	tbd	tbd	32	2-c WCDMA	SOT1212
BLP6H10S-10	High Voltage driver	700	1000	10	-	28	tbd	tbd	tbd	2-c WCDMA	SOT1179
BLM8G0710S-30PB(G)	OMP MMIC	700	1000	30	I/O	28	tbd	tbd	32	2-c WCDMA	SOT1212
BLM8G0710S-45AB(G)	OMP MMIC PAD	700	1000	45	I/O	28	tbd	tbd	32	2-c WCDMA	SOT1212
BLP8G10S-45P(G)	OMP Discrete	700	1000	45	I/O	28	2.5	19.8	20.8	2-c WCDMA	SOT1224
BLP7G22-05	OMP driver	700	2200	5	-	28	1	23	16	2-c WCDMA	SOT1179
BLP7G22-10	OMP driver	700	2200	10	-	28	2	25	17.4	2-c WCDMA	SOT1179
BLF6G21-10G	Ceramic Discrete	700	2200	10	I/O	28	0.7	15	18.5	2-c WCDMA	SOT975
BLM7G1822S-20PB(G)	OMP MMIC	1800	2200	20	I/O	28	0.5	12	31	2-c WCDMA	SOT1212
BLF6G22LS-40P	Ceramic Discrete	2110	2170	40	I/O	28	13.5	30	19	2-c WCDMA	SOT1224
BLM7G1822S-40AB(G)	OMP MMIC PAD	1800	2200	40	I/O	28	tbd	tbd	31	2-c WCDMA	SOT1212
BLM7G1822S-40PB(G)	OMP MMIC	1800	2200	40	I/O	28	4	12	31.5	2-c WCDMA	SOT1212
BLF6G20S-45	Ceramic Discrete	1800	2000	45	I/O	28	2.5	14	19.2	2-c WCDMA	SOT608
BLM7G1822S-60PB(G)	OMP MMIC	1800	2200	60	I/O	28	tbd	tbd	31	2-c WCDMA	SOT1212
BLM7G22S-60PB(G)	OMP MMIC	2100	2200	60	I/O	28	32	11.3	31.5	2-c WCDMA	SOT1212
BLM7G1822S-80AB(G)	OMP MMIC PAD	1800	2200	80	I/O	28	tbd	tbd	30	2-c WCDMA	SOT1212
BLF6G27-10G	Ceramic Discrete	2300	2700	10	I	28	2	25	22.5	2-c WCDMA	SOT975
BLP8G2327S-20	QFN driver	2300	2700	20	I/O	28	tbd	tbd	tbd	2-c WCDMA	QFN
BLM7G24S-30B(G)	OMP MMIC	2100	2400	30	I/O	28	tbd	tbd	31.5	2-c WCDMA	SOT1212
BLF6G27LS-40P	Ceramic Discrete	2500	2700	40	I/O	28	20	37	17.5	2-c WCDMA	SOT1121
BLF7G27LS-75P	Ceramic Discrete	2300	2700	75	I/O	28	12	26	17	2-c WCDMA	SOT1121
BLC8G27LS-60AV	ACP PAD	2300	2700	60	I/O	28	9	50	16	2-c WCDMA	SOT1275
BLF6G38-10G	Ceramic Discrete	3400	3800	10	I	28	2	20	14	2-c WCDMA	SOT975
BLF6G38S-25	Ceramic Discrete	3400	3800	25	I/O	28	4.5	24	15	2-c WCDMA	SOT608
BLF6G38LS-50	Ceramic Discrete	3400	3800	50	I/O	28	9	23	14	2-c WCDMA	SOT502
BLF8G38LS-75V	Ceramic Discrete	3400	3800	75	I/O	28	20	26	15.5	2-c WCDMA	SOT1239

Bold = highly recommended product

* Check status in section 3.1, as this type is not yet released for mass production