

## CELLULAR BASESTATIONS

### CROSS REFERENCE LIST BIPOLAR vs LDMOS RF POWER MODULES

BIPOLAR	LDMOS	Mode of operation	f (MHz)	V <sub>S1</sub> ; V <sub>S2</sub> (V)	P <sub>L</sub> (W)		G <sub>P</sub> (dB)			η (%) (at P <sub>L</sub> )		Z <sub>S</sub> ; Z <sub>L</sub> (Ω)	P <sub>1dB</sub> (W)		Δ G <sub>P</sub> - freq (dB)		Δ G <sub>P</sub> - power (dB) (P <sub>L</sub> = 50mW to 5W)		
					Min	Typ	Min	Typ	Max	Min	Typ		Min	Typ	Typ	Max	Min	Typ	Max
BGY916	BGF944	CW	920 to 960	26	16	19	28	30	32	35	40	50	-	-	-	-	-	-	-
		CW	920 to 960	26	-	17	27	29	31	-	43	50	13	17	0.2	1	-0.8	-0.2	0.2
BGY916/5	BGF944	CW	920 to 960	5; 26	16	19	28	30	32	35	40	50	-	-	-	-	-	-	-
		CW	920 to 960	26	-	17	27	29	31	-	43	50	13	17	0.2	1	-0.8	-0.2	0.2
BGY925	BGF944	CW	920 to 960	26	23	-	28	30	32	30	-	50	-	-	-	-	-	-	-
		CW	920 to 960	26	-	17	27	29	31	-	43	50	13	17	0.2	1	-0.8	-0.2	0.2
BGY925/5	BGF944	CW	920 to 960	5; 26	23	-	28	30	32	30	-	50	-	-	-	-	-	-	-
		CW	920 to 960	26	-	17	27	29	31	-	43	50	13	17	0.2	1	-0.8	-0.2	0.2
BGY2016	BGF1801-10	CW	1805 to 1990	5; 26	16	-	28	-	35	30	-	50	-	-	-	2	-1	-	1
		CW	1805 to 1880	26	-	12	24	26	27	-	35	50	8.5	10	1	1.5	-0.8	-0.2	0.2
BGY2016	BGF1901-10	CW	1805 to 1990	5; 26	16	-	28	-	35	30	-	50	-	-	-	2	-1	-	1
		CW	1930 to 1990	26	-	12	24	26	27	-	35	50	8.5	10	1	1.5	-0.8	-0.2	0.2