

# The many parts of power

TABLE A HF 2-30 MHz								
Device	Freq. (MHz)	Power Output (Watts)	Power Gain (dB)	Coll. Eff. (Typ%)	Power Diss. (Watts)	$\theta$ jc ( $^{\circ}$ C/W)	Package Outline	Coll. Voltage (VDC)
CTC14	30	50.0	15.0	60	160	1.1	DD	28.0
CTC15	30	150.0	17.0	60	250	0.7	DD	50.0
S10-12	30	10.0	15.0	45	50	3.5	MM	12.5
S50-12	30	50.0	12.0	65	160	1.1	NN	12.5
S80-12	30	80.0	10.6	60	220	0.8	NN	12.5
S100-12	30	100.0	10.7	65	250	0.7	NN	12.5
S10-28	30	10.0	13.0	50	60	2.9	MM	28.0
S50-28	30	50.0	17.0	65	160	1.1	NN	28.0
S100-28	30	100.0	16.0	65	250	0.7	NN	28.0
S175-28	30	175.0	14.0	65	320	0.55	NN	28.0
S15-50	30	15.0	17.0	50	25	7.0	MM	50.0
S100-50	30	100.0	17.0	60	150	1.1	NN	50.0
S175-50	30	175.0	17.0	65	270	0.65	NN	50.0

TABLE B VHF 100-250 MHz								
Device	Freq. (MHz)	Power Output (Watts)	Power Gain (dB)	Coll. Eff. (Typ%)	Power Diss. (Watts)	$\theta$ jc ( $^{\circ}$ C/W)	Package Outline	Coll. Voltage (VDC)
A3-28	80	3.0	11.0	65	20	8.8	AA	28.0
A25-28	80	25.0	9.0	65	60	2.9	AA	28.0
A70-28	80	70.0	8.0	65	140	1.25	CC	28.0
B3-28	175	3.0	13.0	55	10	17.5	AA	28.0
B12-28	175	12.0	10.0	55	25	7.0	AA	28.0
B25-28	175	25.0	8.0	55	50	3.5	AA	28.0
B40-28	175	40.0	8.0	55	85	2.0	AA	28.0
B70-28	175	70.0	5.5	60	140	1.2	CC	28.0
BAM20	150	20.0 PK	11.0	65	25	7.0	AA	27.0 PK
BAM40	150	40.0 PK	10.0	65	50	3.5	AA	27.0 PK
BAM80	150	80.0 PK	9.0	65	85	2.0	AA	27.0 PK
BAM120	150	120.0 PK	7.8	65	140	1.2	AA	27.0 PK
BM80-28	175	80.0	7.0	60	220	0.8	SS	28.0
BM100-28	175	100.0	7.0	60	270	0.65	SS	28.0
CD1752	250	60.0	8.0	60	140	1.25	SS	28.0
CD2778	80	125.0	9.0	65	250	0.7	SS	50.0
CD2878	175	100.0	8.0	50	250	0.7	SS	40.0
CD2904	80	60.0	10.0	60	150	1.1	SS	40.0

TABLE C UHF 400 MHz								
Device	Freq. (MHz)	Power Output (Watts)	Power Gain (dB)	Coll. Eff. (Typ%)	Power Diss. (Watts)	$\theta$ jc ( $^{\circ}$ C/W)	Package Outline	Coll. Voltage (VDC)
C1-28	400	1.0	10.0	65	5	35.0	AA	28.0
C3-28	400	3.0	10.0	65	10	17.5	AA	28.0
C12-28	400	12.0	6.8	65	20	8.8	AA	28.0
C25-28	400	25.0	6.2	65	40	4.4	AA	28.0
C40-28	400	40.0	5.2	65	80	2.2	AA	28.0
C50-28	400	50.0	5.1	60	110	1.6	AA	28.0
CM10-28	400	10.0	9.0	60	20	8.8	AA	28.0
CM25-28	400	25.0	8.5	57	70	2.5	SS	28.0
CM25-28A	400	25.0	8.5	57	70	2.5	AA	28.0
CM45-28	400	45.0	7.0	60	110	1.6	SS	28.0
CM80-28	400	80.0	9.0	65	250	0.7	SS	28.0
CM80-28R	400	80.0	7.6	60	250	0.7	SS	28.0
C2M50-28R	400	50.0	8.0	60	110	1.6	SS	28.0
C2M60-28R	400	60.0	7.8	65	140	1.25	SS	28.0
C2M70-28R	400	70.0	8.5	60	140	1.25	SS	28.0
C2M100-28	400	100.0	7.0	57	250	0.7	SS	28.0
C2M100-28A	400	100.0	8.0	55	250	0.7	TT	28.0
CD1979	400	15.0	7.7	30	90	1.95	AA	28.0
CD2035	400	3.0	13.0	60	10	17.5	BB	28.0
CD2087	400	3.0	10.0	60	10	17.5	BB	28.0
CD2088	400	10.0	10.0	60	25	7.0	BB	28.0
CD2089	400	20.0	8.2	60	40	4.4	BB	28.0
CD2501	400	50.0	8.0	55	100	1.75	AA	28.0
CD5918	400	10.0	10.0	65	20	8.8	BB	28.0
CD5919A	400	20.0	7.0	65	40	4.4	BB	28.0
CD6105	400	30.0	6.3	70	70	2.5	BB	28.0
CD6105A	400	30.0	7.8	65	70	2.5	BB	28.0

TABLE D UHF 960 MHz								
Device	Freq. (MHz)	Power Output (Watts)	Power Gain (dB)	Coll. Eff. (Typ%)	Power Diss. (Watts)	$\theta$ jc ( $^{\circ}$ C/W)	Package Outline	Coll. Voltage (VDC)
D1-28	960	1.0	7.0	65	5	35.0	GG	28.0
D3-28	960	3.0	7.0	50	10	17.5	BB	28.0
D10-28	960	10.0	5.0	50	20	8.8	BB	28.0
D20-28	960	20.0	4.0	50	40	4.4	BB	28.0