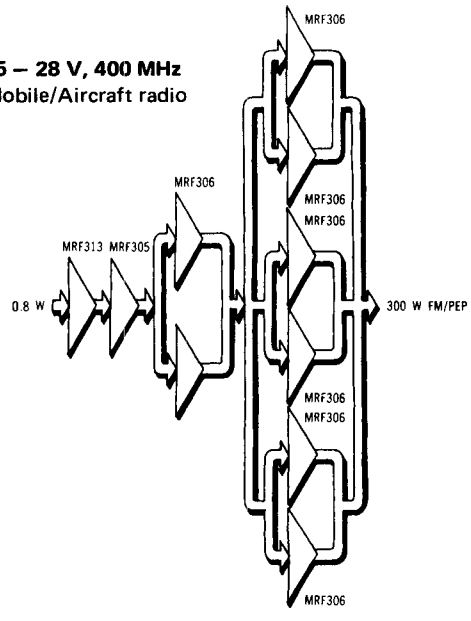
Device Type	P_{out} Output Power Watts	G_{PE} Power Gain dB Min.	V_{CC} Supply Voltage Volts	Package
106-175 MHz, VHF AM TRANSISTORS				
2N3866	1.0	10	28	TO-39
2N3553	2.5	10	28	TO-39
2N5641	7.0	8.4	28	144B-04
2N5642	20	8.2	28	145A-07
2N5643	40	7.6	28	145A-07
2N6166	100	6.0	28	211-10
225-400 MHz, UHF AM TRANSISTORS				
MRF509	1.0	10	28	207A-01
2N3866	1.0	10	28	TO-39
MRF313	1.0	16 (Typ)	28	305-01
MRF313A	1.0	16 (Typ)	28	305A-01
MRF517A	2.0	12	28	244-04
2N5635	2.5	6.2	28	144B-04
MRF5175	5.0	11	28	244-04
2N5636	7.5	5.7	28	144B-04
MRF304*	10	9.0	28	278-06
MRF5176	15	10	28	244-04
2N5637	20	4.6	28	154A-07
MRF5177	30	6.0	28	215-01
MRF5177A	30	6.0	28	145A-07
MRF325*	30	8.0	28	278-06
MRF306**	60	8.0	28	278-06

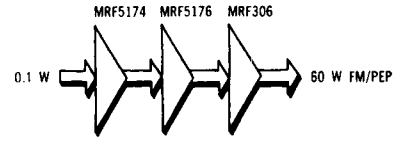
*Controlled "Q" transistor. See EB-19.

**Gold metallization, double matched controlled "Q" transistor. See EB-26, EB-19.

Chain 15 – 28 V, 400 MHz
Fixed/Mobile/Aircraft radio



Chain 16 – 28 V, 400 MHz
Aircraft radio



UHF and Microwave Oscillators

The Transistors listed below are for UHF and microwave applications as initial signal sources or as output stages of limited range transmitters. Devices are listed in order of increasing test frequency.

Device Type	Test Conditions f MHz	Test Conditions V_{CC} Volts	P_{out} mW Typ* Min.	f_T MHz Typ* Min.	Package
2N3866	400	15	1000	500	TO-39
2N5179	500	10	20	900	TO-72
2N2857	500	10	30	1000	TO-72
2N3839	500	6.0	30	1000	TO-72
MM8009	1680	20	200	1000	TO-39
2N5108	1680	20	300	1200	TO-39
MRF905	1680	20	500*	2200*	TO-46