

RF Transistors for Broadcast Applications

**Motorola/TRW
88-108 MHz, FM Broadcast Band**

Device	P _{out} Output Power Watts	P _{in} Input Power Watts (max)	G _{PE} (min) Power Gain dB/MHz	Package
V _{cc} = 28 Volts				
TP9380	75	7	10.3/108	211-11/1
TP9383	150	18	9.2/108	211-11/1
TP9390	250	22.2	11.0/108	397-01/1

VHF Ultra Linear for TV Applications

Device	P _o Watts	G _p (min)/Freq Power Gain dB/MHz	3 Tone IMD dB	θ _{JC} °C/W	Package
V _{cc} = 28 Volts					
TPV394A	5	15/225	-58	2.5	244C-01/1
TPV364	10	10/225	-54	2	145D-01/1
TPV385	14	14/225	-53	1.5	316A-01/1
TPV375	20	8/225	-51	1.5	211-11/1
TPV387	90	12/225	dB Comp	1	316A-01/1
TPV376	30	7.5/225	-53	1	316A-01/1
TPV3100	28	14/225	dB Comp	0.8	827-01/1
V _{cc} = 32 Volts					
TPV3250B	230	11/230	dB Comp	0.55	397-01/1

UHF Ultra Linear for TV Applications

Device	P _o @ 1dB Comp. Point Watts	G _p (min)/Freq Power Gain dB/MHz	3 Tone IMD dB	θ _{JC} °C/W	Package
V _{cc} = 20 Volts					
TPV590	0.25	14/860	-58	30	305B-01/1
TPV591	0.5	13/860	-58	16	305B-01/1
TPV596	0.5	11.5/860	-58	20	244C-01/1
TPV597	1.0	10.5/860	-58	9	244C-01/1
TPV598	4.0	7/860	-60	5	244C-01/1
V _{cc} = 25 Volts					
TPV693	1.8	9.5/860	-60	8	244C-01/1
TPV593	2.0	8.5/860	-60	11	244C-01/1
TPV698	4.0	8.5/860	-54	6.2	244C-01/1
TPV657	6.0	8/860	-58	2.5	744D-01/1
TPV595A	14.0	8.5/860	-47	2.5	395-01/1
TPV695A	14.0	9.5/860	-47	2.5	395-01/1
TPV7025	25.0	8.5/860	-45	1.5	398-01/1
V _{cc} = 26 Volts					
TPV695B	30.0	8.5/860	dB Comp	2.5	395-01/1
V _{cc} = 28 Volts					
TPV5051	50.0	6.5/860	dB Comp	1.8	395-01/1
TPV5055B	50.0	7/860	dB Comp	1.5	398-01/1
TPV6080B	80.0	7/860	dB Comp	0.7	397-01/1