



Integrated circuits linear integrated circuits (cont.)

AUDIO AMPLIFIERS (cont.)

Type No.	Description and Construction		Supply Current	Input Impedance	Output Impedance	Output Voltage	Noise Figure	Gain	Operating Temperature Range
			(mA)	(kΩ)	(Ω)	(mV)			(°C)
TCA210	Pre-amplifier and output amplifier	AU2	12	0.5	800	2.5	6dB	10000	-30 to +60
				17	15	800	—	500	

Type No.	Description		V _{GS0} max. (V)	V _{DS} max. (V)	I _D max. (mA)	gm (mA/V)	r _{sg} min. (GΩ)
TAA320	MOST L.F. Pre-amplifier	G3	-20	-20	25	40	100

RADIO CIRCUITS

Type No.	Description and Construction		Supply Voltage (V)	Output power (W)	A.G.C. Range (dB)	Sensitivity (μV)	Distortion (%)	Operating Temperature Range (°C)
TAD100	A.M. receiver circuit for 1.5 watt output stage	AU1	6 to 9	1.5	62	4	<2	-10 to +55
TAD110	Mixer, oscillator, I.F. amplifier detector, A.F. amplifier/limiter for use in A.M. or F.M. communication receivers up to 30 MHz	AU1	9	—	56	12	—	-30 to +70
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TBA480	F.M.—I.F. amplifier and demodulator	AU2	5 to 12	—	—	—	4	-20 to +60
TBA490	F.M. Stereo decoder	AU2	16	—	—	2V	1	-25 to +80
TBA570 TBA570Q	AM/FM receiver circuit	AU2 CD	3.6 to 12	1	65	16 15	1	-20 to +65
TBA690	AM/FM receiver circuit	AU2	2.7 to 11.4	0.6	60	4	1	-20 to +45
TBA700	AM/FM receiver circuit	AU2	9	1	60	15	1	-20 to +45

TELEVISION CIRCUITS

Nominal Supply Voltage : 12V
Operating Temperature Range: -20 to +60°C

Type No.	Description and Construction		Functions
TBA500 TBA500Q	} Luminance combination	AU2	Delay line matching stage. Gated black level clamp. D.C. contrast control. Beam current limiter.
		CD	
TBA510 TBA510Q	} Chrominance combination	AU2	Variable gain A.G.C. chroma amplifier. D.C. control for saturation. Chroma blanking and burst gate function. Burst output stage. Colour killer and PAL delay line driver stage.
		CD	
TBA520 TBA520Q	} Colour demodulator	AU2	Dual active synchronous demodulator for R-Y and B-Y chrominance signals matrix. PAL phase switch and flip-flop.
		CD	