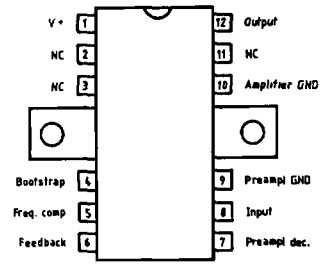
AUDIO POWER AMPLIFIERS , 1.3W ... 2.5W

TBA 790T
β 790AT
β 790T

Features :

Operating temperature :		-25...+70°C
Supply voltage :		6 .... 14 V
Input voltage :		-0.5 ...9 V
Voltage gain :		43 ...49 dB
Repetitive peak output current :	max.	1.5 A
Output power (THD=10%) : TBA 790T	min.	2.5 W
β 790AT	min.	1.7 W
β 790T	min.	1.3 W



PACKAGE CB-155 / TOP VIEW

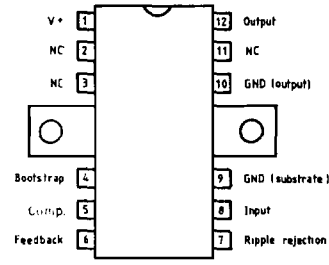
7W AUDIO POWER AMPLIFIERS

TBA 810AS
TBA 810S

Features :

	TBA 810AS	TBA 810S
Package (same pin config.) :	CB-155	CB-109
Thermal data : $R_{thJ-TABS}$ max.	10 °C/W	12 °C/W
R_{thJ-A} .... max.	80 °C/W	70 °C/W

Operating temperature :		-25...+70°C
Supply voltage :		4 .... 20 V
Voltage gain (closed loop) :		34 ...40 dB
Repetitive peak output current :	max.	2.5 A
Output power (@ 16V , 4 ohms)	typ.	7 W



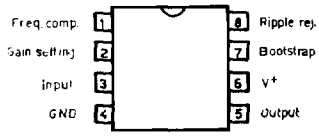
TBA 810AS / PACKAGE CB-155

MINIDIP AUDIO AMPLIFIER

TBA 820N

Features:

Operating temperature :		-25...+70°C
Supply voltage :		3 .... 16 V
Frequency response (-3dB , R_L=8 ohms) :		25/20000 Hz
Voltage gain (open loop , R_L=8 ohms) :	typ.	75 dB
Repetitive peak output current :	max.	1.5 A
Output power (THD=10%) @ 12V , 8 ohms :	typ.	2 W
@ 9V , 4 ohms :	typ.	1.6 W
@ 9V , 8 ohms :	typ.	1.2 W



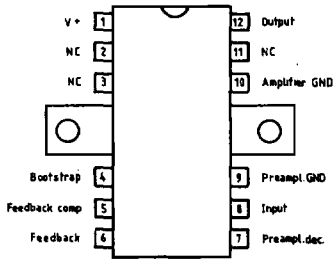
PACKAGE MP-48 / TOP VIEW

AUDIO POWER AMPLIFIERS , 1W ... 5W

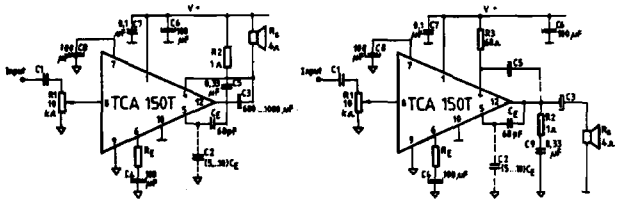
TCA 150T
βT 150N
βT 151N

Features :

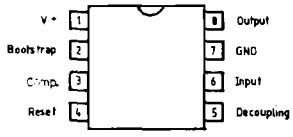
Operating temperature :		-25...+70°C
Supply voltage :		6 .... 18 V
Input voltage :		-0.5 / 15 V
Voltage gain :		43 ...49 dB
Repetitive peak output current :	max.	2.3 A
Output power (THD=10%) TCA 150T	min.	5 W
βT 150N, βT 151N	min.	1 W
Thermal res. R_{thJ-A} TCA 150T	max.	80°C/W
βT 150N, βT 151N	max.	250°C/W



TCA 150T
PACKAGE CB-155 / TOP VIEW



TYPICAL APPLICATIONS



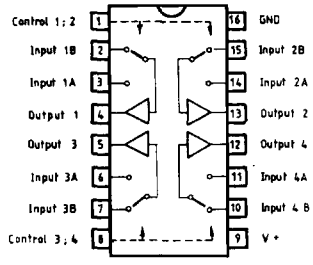
βT 150N , βT 151N
PACKAGE MP-48 / TOP VIEW

4-CHANNELS / 2-INPUTS SIGNAL SOURCES SWITCHES

TDA 1028

Features :

Operating temperature :		-25...+70°C
Supply voltage :	max.	23 V
Supply current (V=20V) :	typ.	2.5 mA
Input voltage range :		3 .... 19 V
Input bias current :	typ.	250 nA
Voltage gain of the amplifier :	typ.	1 -
Output current :	min.	5 mA
Frequency limit of the output voltage :	typ.	1.3MHz



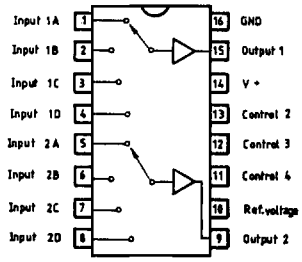
PACKAGE MP-117 / TOP VIEW

2-CHANNELS / 4-INPUTS SIGNAL SOURCES SWITCHES

TDA 1029

Features :

Operating temperature :		-25...+70°C
Supply voltage :	max.	23 V
Supply current (V=20V) :	typ.	4 mA
Input voltage range :		3 .... 19 V
Input bias current :	typ.	250 nA
Voltage gain of the amplifier :	typ.	1 -
Output current :	min.	5 mA
Frequency limit of the output voltage :	typ.	1.3MHz



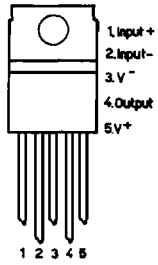
PACKAGE MP-117 / TOP VIEW

$ 10W CAR AUDIO POWER AMPLIFIER

TDA 2003

Features :

Operating temperature :		-25...+70°C
Supply voltage :		8 ... 28 V
Quiescent drain current :	max.	50 mA
Output peak current (repetitive) :	max.	3.5 A
Output peak current non-repetitive) :	max.	4.5 A
Output power V=14.4V, d=10%, R_L=4 ohms	typ.	6 W
R_L=3.2ohms	typ.	7.5 W
R_L=2 ohms	typ.	10 W



PACKAGE PENTAWATT

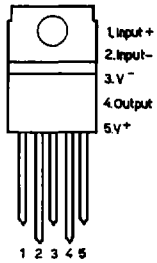
AUDIO POWER AMPLIFIERS

TDA 2006
TDA 2030

Features :

	TDA 2006	TDA 2030
Operating temperature :	-25..+70°C	-25...+70°C
Supply voltage , V+ :	max. ±15 V	max. ±18 V
Quiescent drain current :	max. 80 mA	max. 40 mA
Input voltage :	max. V+	max. ±18 V
Differential input voltage :	max. ±12 V	max. ±15 V
Output power (*) R_L=4 ohms :	typ. 12 W	typ. 14 W
R_L=4 ohms :		min. 12 W
R_L=8 ohms :	min. 6 W	min. 8 W

(*) Test conditions: TDA 2006: V=+/-12V, d=10% ; TDA 2030: V=+/-14V, d=0.5%



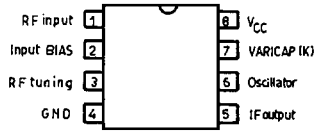
PACKAGE PENTAWATT

$ LOW VOLTAGE FM FRONT-END

TDA 7211A

Features:

Operating temperature :		0...+70°C
Supply voltage :		1.3 ....6 V
Local oscillator voltage :	max.	330 mV_{rms}
Supply current V_{CC}=3 V :		max 4,5 mA
Convertion gain ,f=98MHz :	typ.	34 dB



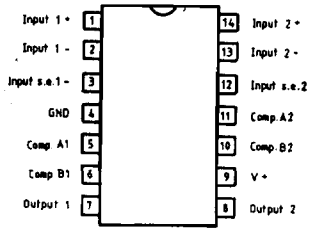
PACKAGE MP-48 / TOP VIEW

LOW NOISE DUAL PREAMPLIFIERS

BM 381
BM 381A

Features :

Operating temperature :		-25...+70°C
Supply voltage :		9 .... 40 V
Supply current (V=9...40V) :	typ.	10 mA
Voltage gain (differential input) :	typ.	160000
Voltage gain (single ended) :	typ.	320000
Unity gain bandwidth :	typ.	15 MHz
Total equiv. RMS noise input : BM 381A	max.	0.7 uV
BM 381	max.	1.0 uV



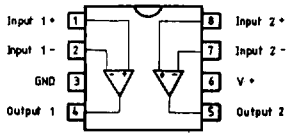
PACKAGE TO-116 / TOP VIEW

LOW NOISE DUAL PREAMPLIFIERS

BM 387AN
BM 387N

Features :

Operating temperature :		-25...+70°C
Supply voltage :	BM 387AN	9 .... 40 V
	BM 387N	9 .... 30 V
Supply current :	typ.	10 mA
Voltage gain (open loop) :	typ.	160000
Unity gain bandwidth :	typ.	15 MHz
Total equiv. RMS noise input : BM 387AN	max.	0.9 uV
BM 381N	max.	1.2 uV



PACKAGE MP-48 / TOP VIEW