

# UTC TDA2611 LINEAR INTEGRATED CIRCUIT

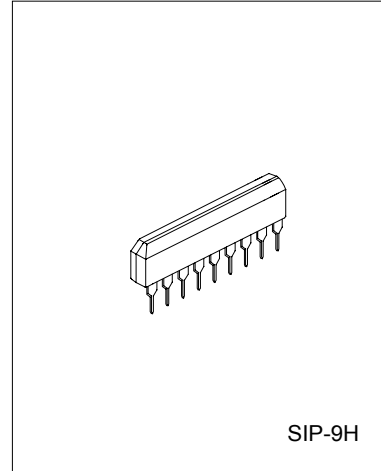
## DUAL EQUALIZER AMPLIFIER WITH ALC

### DESCRIPTION

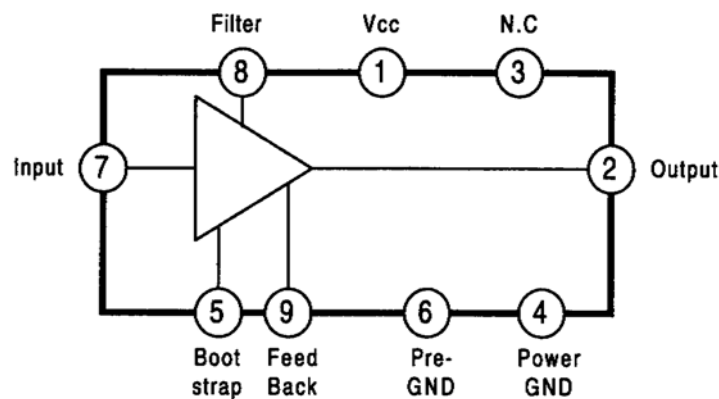
The UTC TDA2611 is a monolithic integrated circuit designed for the TV IF sound power amplifier. It also can be used in audio power amplifier sets.

### FEATURES

- \*Wide operating voltage (6V to 35V)
- \*Few external components
- \*Fixed Closed Loop Gain
- \*High input impedance
- \*Built-in Thermal protection circuit
- \*Fine ripple rejection characteristic



### BLOCK DIAGRAM



### ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

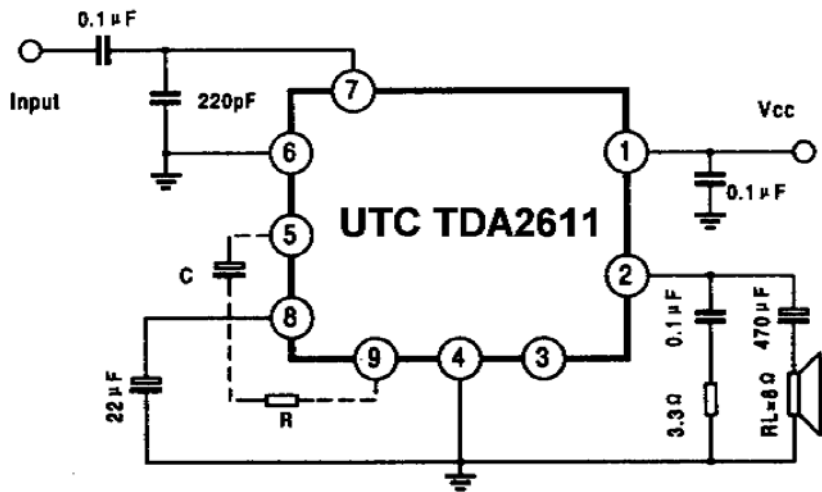
PARAMETER	SYMBOL	VALUE	UNIT
Supply Voltage	Vcc	35	V
Pulse Peak Output Current	Ios	3	A
Peak Output Current (continuously)	Ior	1.5	A
Operating Temperature	Topr	-25 to + 150	°C
Storage Temperature	Tstg	-55 to + 150	°C

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ELECTRICAL CHARACTERISTICS (Ta=25°C, Vcc=18V, RL=8Ω, f=1KHZ, unless otherwise specified)

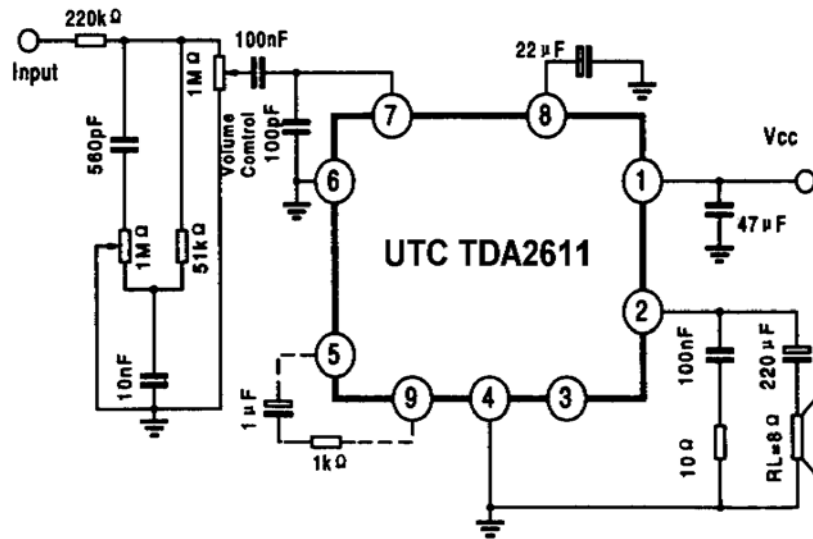
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Output Power	Po	Vcc=18V, RL=8Ω, THD=10%	4	4.5		W
		Vcc=12V, RL=8Ω, THD=10%		1.7		
		Vcc=8.3V, RL=8Ω, THD=10%		0.65		
		Vcc=20V, RL=15Ω, THD=10%		6		
		Vcc=25V, RL=8Ω, THD=10%		5		
Total Harmonic Distortion	THD	Po=2W			1	%
Bandwidth	BW		15			kHz
Noise Output Voltage	Vno	Rg=5kΩ, 60Hz ~ 15kHz		0.2	0.5	mV
Input Impedance	Ri			45		kΩ
Input Sensitivity	Vis	Po=2.5W	44	55	66	mV
Quiescent Circuit Current	Icc	No Input Signal		25		mA

## TEST CIRCUIT



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## APPLICATION CIRCUIT



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