



TOE 7607

Broadband amplifiers DC to 5 MHz with integral feedback voltage protection 8 W output power

TOE 7607

Special features

- High output voltage of up to 40 V_{pp} into 50 Ohm
- Wide frequency range from DC to 5 MHz
- Gain of up to 26 dB
- Small distortion factor
- Feedback voltage protection

Signal conditioning and amplification are required in many technical areas whether it be mechanical or control engineering, medical technology or testing procedures.

The TOE 7607 broadband amplifier is capable of supplying the necessary features for a frequency range from DC to 5 MHz and output voltages of up to 40 V_{pp} into 50 Ohm.

The outstanding features of the TOE 7607 broadband amplifier are its high output voltage of up to 40 V_{pp} into 50 Ohm and its low distortion factor.

The amplifier gain is continuously adjustable up to max. 26 dB over a frequency range from DC to 5 MHz.

Besides general-purpose laboratory tasks, application areas include electrical and electronic engineering, process control, machine construction, medical technology, and educational institutions where the amplifier is used as a training aid.

Technical specifications

Amplifier characteristics

Frequency range	DC to 5 MHz (-3 dB)
Gain	0 to 26 dB continuously adjustable
Distortion factor	< 0.2 % to 100 kHz
Rise or fall time	< 60 ns
Input, output	
Input voltage	Max. 42 V _{rms}
Input impedance	1 MOhm / 50 Ohm
Output voltage	0 V to 40 V _{pp} into 50 Ohm
	The output is no-load and short-circuit proof and is protected against feedback voltages up to approx. 120 V
Output impedance	Approx. 10 Ohm

General data

Line voltage	115 V/230 V, ± 10 % 47 Hz to 63 Hz
Power consumption	40 VA
Dimensions (W x H x D)	265 x 147 x 280 mm
Weight	Approx. 3.5 kg
Housing	Aluminium

Ordering data

Broadband amplifier	TOE 7607
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Options

TOE 9008	Carrying handle
TOE 9501	19" adapter, 3 HU
TOE 9503	19" rack module, 4 HU