



ETIK amplifier module model ETK-HPASB1500 belongs to ETIK high power amplifier line.

The frequency range runs from 3.1 to 3.35 GHz thus making the early warning radar systems its perfect field of applications although it can also be used also for other purposes.

Designed on microstrip technology and provided with the latest generation of rugged GaN transistors it allows achieving unrivalled overall reliability performance. It provides 1.5 kW output power (pulsed) over the entire working bandwidth.

The amplifier heat sink has been designed with an optimised fins structure to benefit as much as possible of the air flow and keep the amplifier within the optimal working temperature range over all times and conditions.

It features also one D-Sub-9 type and one D-Sub-15 connectors for power supply and monitor purpose. Power supply presence, input and output voltages, VSWR alarm and temperature are all available for real time monitoring.

Technical Specifications

Working frequency	3.1 - 3.35 GHz
Output Power (Pulsed)	1.5 kW
Input Power	0÷5 dBm
Pulse duration	up to 100 µs
Duty Cycle	10% max.
Gain	60±1 dB, @peak power
Pulse Rise/Fall	<60 ns
Pulse drop	<0.5 dB
VSWR	2:1
Harmonics	<60 dBc
Spurious	<30 dB
Input Connector	SMA F (other on request), 50 Ω
Output Connector	"N" F (other available on request)
Power supply	48÷52 Vdc, 12 Vdc and 48 Vdc (other available on request)
Efficiency	better than 40% @1.5 kW
Interfaces	1x D-Sub9 male / 1x D-Sub15 male
Operating Temperature	0°C ÷ 50°C
Size (WxDxH)	370 x 234 x 82 mm
Weight	10 kg

Features and specifications subject to change without notice

Mechanical Layout