



ETIK amplifier module model ETK-HPAXB150 belongs to ETIK high power amplifier line.

The frequency range runs from 8.5 to 9.5 GHz thus making the fire control radar system its perfect field of applications although it can also be used for other purposes among which the scientific ones.

Designed on microstrip technology and provided with the latest generation of rugged GaN transistors it allows achieving unrivalled overall reliability performance. It provides 150 W 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 two D-Sub-9 type interfaces for power supply and monitoring purpose.

Power supply presence, input and output voltages, VSWR alarm and temperature are all available for real time monitoring.

Technical Specifications

Working frequency	8.5 - 9.5 GHz
Output Power (Pulsed)	150 W
Input Power	0÷5 dBm
Pulse duration	up to 100 μ s
Duty Cycle	10% max.
Gain	50 \pm 1 dB, @peak power
Pulse Rise/Fall	<60 ns
Pulse drop	<0.5 dB
VSWR	2:1
Harmonics	<30 dBc
Spurious	<30 dB
Input Connector	SMA F (other on request), 50 Ω
Output Connector	WR90 (waveguide) included
Power supply	40 Vdc (other available on request)
Efficiency	better than 40% @150 W
Interfaces	2x D-Sub9
Size (WxDxH)	350 x 190 x 87 mm
Weight	4.8 kg

Features and specifications subject to change without notice

Mechanical Layout

