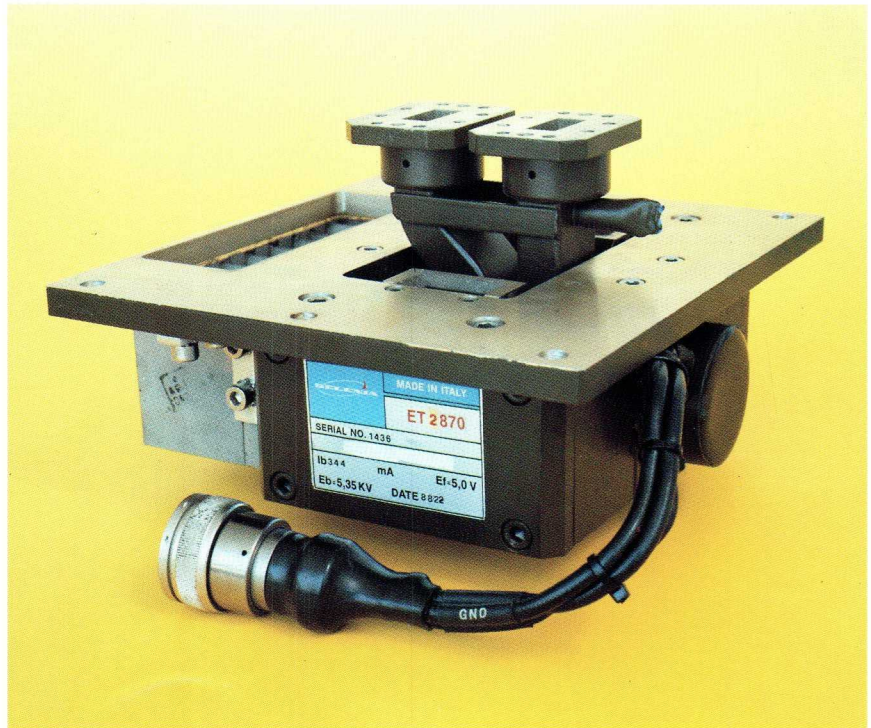


## ET 2870 KLYSTRON AMPLIFIER

The ET 2870 is a low noise tunable 4-cavities klystron amplifier designed for CW operation in the X band region with a power output of 500 watt.

These technical data should be used as a guide for equipment designers. For any operating conditions other than those recommended in this data sheet, the manufacturer should be consulted.



▲ KLYSTRON OSCILLATOR ET 2870

### Electrical data

#### HEATER CHARACTERISTICS:

Heater voltage (nominal)	5 V dc
Heater current (typical)	2 A
Preheat time	120 s

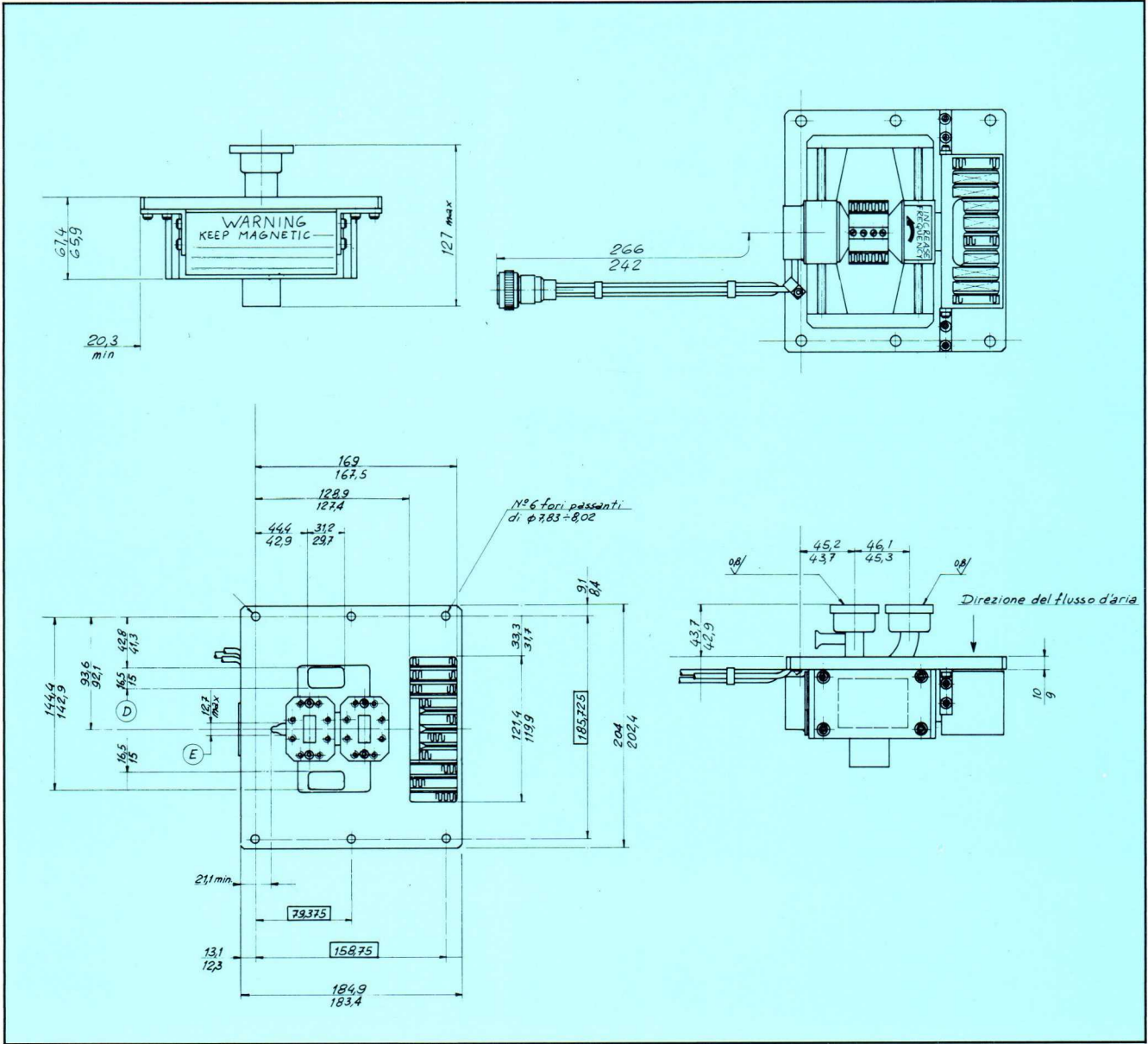
#### OPERATING CHARACTERISTICS:

Frequency	9.9 to 10.3 GHz
Beam voltage (typical)	5.4 kV
Beam current (max.)	350 mA
Power output (typical)	500 W
Gain (saturated) typical	40 dB
Focusing	permanent magnetic

### General information

Mounting position	any
Weight	8 kg (approx.)
Cooling	forced air
Input	waveguide
Output	waveguide
Overall dimensions (mm)	204×185×127

This klystron displays very low AM and FM noise sidebands and provides highly reliable operation under the worst environmental conditions.



(Dimensions in mm)

