

CONTINUOUS-WAVE MAGNETRON

Continuous-wave air-cooled packaged magnetron intended for microwave heating applications.

QUICK REFERENCE DATA

Frequency, fixed within the band	f	2,425 to 2,475 GHz
Output power	W _O	2,0 to 2,5 kW
Construction		packaged
Anode supply		unfiltered single-phase full-wave, or three-phase half-wave rectified

CATHODE

HEATING

TYPICAL CHARACTERISTICS

LIMITING VALUES AND OPERATING CONDITIONS

TEMPERATURE LIMITS

COOLING

Anode block

forced air

Required quantity of air

see cooling curve

Cathode radiator, via air duct

low-velocity air flow
(> 0,2 m³/min)

See YJ1160

MECHANICAL DATA

Dimensions in mm

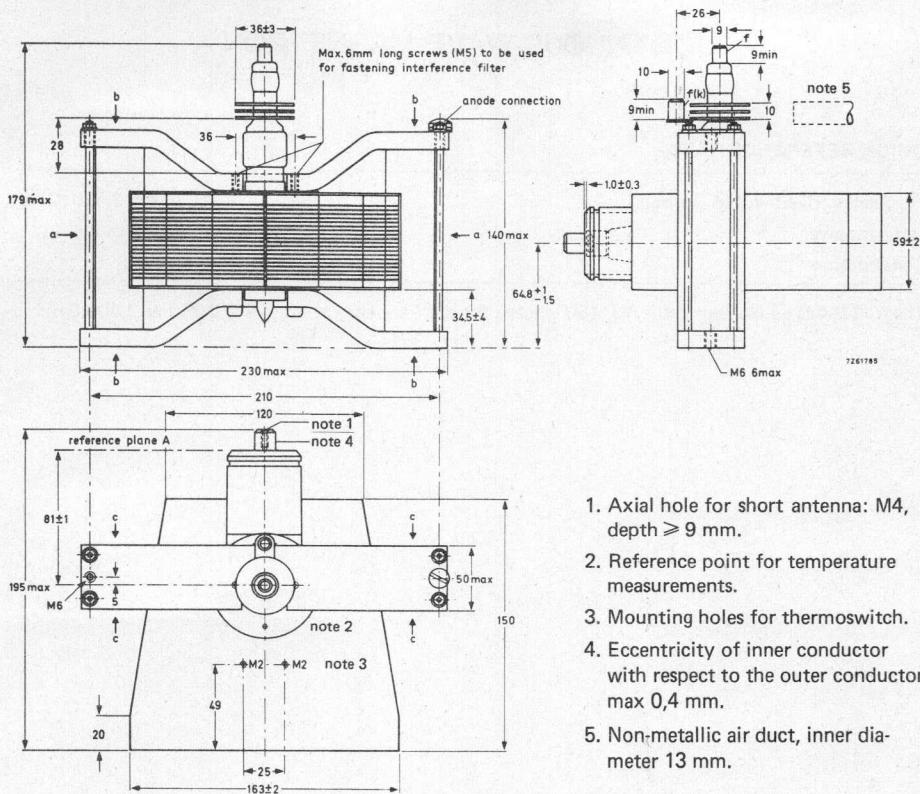


Fig. 1.

1. Axial hole for short antenna: M4, depth ≥ 9 mm.
2. Reference point for temperature measurements.
3. Mounting holes for thermoswitch.
4. Eccentricity of inner conductor with respect to the outer conductor max 0,4 mm.
5. Non-metallic air duct, inner diameter 13 mm.