

■ Output power

1 kW
in SSB, up to 110 MHz



General characteristics

Cathode.....	oxide
Heating (1)	indirect
Interelectrodes capacitances, approx.(ground/cathode conection):	
input	75 pF
reaction	0.06 pF
output	14.5 pF
Amplification factor, average	4.5
Transconductance (Ia = 0.3 A, Vg2 = 225 V).....	25 mA/V
Operating position	vertical
Weight, approx.....	0.84 kg
Connector	TH 16054
Dimensions	see page 55
Anode cooling (2)	
air flow, min	1.5 m ³ /mn
air inlet pressure, max.....	2 mbar
outlet air temperature	100 °C
Electrode terminal and ceramic cooling:	
type	forced air
temperature on the tube, max.....	250 °C

Maximum ratings

Anode voltage	3 kV
Control-grid voltage	- 150 V
Screen-grid voltage.....	400 V
Cathode current, average	0.9 A
Anode dissipation.....	1.5 kW
Control-grid dissipation	1 W
Screen-grid dissipation	12 W

(1) Thomson Tubes Electroniques defines the operating voltage according to each particular situation. As an indication for equipment design purposes only, a heater voltage of 6 V produces a heating current of 10.5 A.

(2) Values for cooling given for maximum anode dissipation.

Typical operation
carrier conditions

Output power	1	kW
Frequency	30	MHz
Anode voltage	2.75	kV
Screen-grid voltage	225	V
Control-grid bias voltage	- 36	V
Anode current	700	mA
Screen-grid current	20	mA
Control-grid current	1	mA