

3CX2500H3 - industrial air-cooled triode with output power 10 kW

Electrical characteristics:

Filament Voltage	7.5	V
Filament Current	51.5	A
Amplification Factor	22	
Interelectrode capacitances		
C _{input}	35	pF
C _{output}	0.9	pF
C _{feedthrough}	20	pF

Typical operation (Class C):

Frequency	<30	MHz	<30	MHz
DC Plate Voltage	4	kV	5	kV
DC Grid Voltage	300	V	450	V
DC Plate Current	2.5	A	2.5	A
DC Grid Current	245	mA	265	mA
Plate Input Power	10	kW	12.5	kW
Plate Output Power	7.5	kW	10	kW
Plate Dissipation	2.5	kW	2.5	kW

Maximum Weight	3.4	kg
Maximum Length	469	mm
Maximum Diameter	108	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 250	°C
Anode cooling	forced air	

Maximum ratings (Class C):

DC Plate Voltage	6	kV
DC Plate Current	2.5	A
Grid Dissipation	0.15	kW
Plate Dissipation	4	kW
Plate Output Power	10	kW

