

ITL 5-1 - industrial air cooled triode with output power 13 kW

Electrical characteristics:

Filament Voltage	6.3	V
Filament Current	65	A
Amplification Factor	20	
Interelectrode capacitances		
Cga	16	pF
Cgc	21	pF
Cca	0.6	pF

Typical operation:

	1		2	
Frequency	30	MHz	30	MHz
DC Plate Voltage	6.8	kV	5.5	kV
DC Grid Voltage	890	V	780	V
DC Plate Current	2.5	A	2.3	A
DC Grid Current	0.43	A	0.43	A
Grid Dissipation	142	W	127	W
Plate Input Power	17	kW	12.7	kW
Plate Output Power	12.9	kW	9.5	kW
Plate Dissipation	3.9	kW	3	kW
Grid Resistance	1.25	kΩ	1.05	kΩ

Maximum Weight	2.9	kg
Maximum Length	210	mm
Maximum Diameter	123	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 220	°C
Anode cooling	forced air	

Maximum ratings:

DC Plate Voltage	7.2	kV
DC Plate Current	2.5	A
Grid Dissipation	0.20	kW
Plate Dissipation	6	kW
Plate Output Power	13	kW

