

ITL 12-1 - industrial air cooled triode with output power 33 kW

Electrical characteristics:

Filament Voltage	5.8	V
Filament Current	145	A
Amplification Factor	20	
Interelectrode capacitances		
Cga	21	pF
Cgc	55	pF
Cca	1	pF

Typical operation:

	1		2	
Frequency	30	MHz	30	MHz
DC Plate Voltage	10	kV	8	kV
DC Grid Voltage	960	V	900	V
DC Plate Current	4.3	A	4.8	A
DC Grid Current	0.53	A	0.72	A
Grid Dissipation	145	W	220	W
Plate Input Power	40	kW	38.4	kW
Plate Output Power	33	kW	29	kW
Plate Dissipation	9.6	kW	8.6	kW
Grid Resistance	1.21	kΩ	0.79	kΩ

Maximum Weight	6.5	kg
Maximum Length	216	mm
Maximum Diameter	160	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 220	°C
Anode cooling	forced air	

Maximum ratings:

DC Plate Voltage	12	kV
DC Plate Current	5	A
Grid Dissipation	0.35	kW
Plate Dissipation	12	kW
Plate Output Power	33	kW

