

RS2048CJC - industrial water-cooled tetrode with output power 53 kW

Electrical characteristics:

Filament Voltage	9	V
Filament Current	115	A
Amplification Factor	7.5	
Interelectrode capacitances		
Cg1a	0.6	pF
Cg2a	20.5	pF
Cca	0.1	pF
Cg1g2	115	pF
Ccg1	80	pF
Ccg2	5.2	pF

Typical operation (class C, RF amp.):

	1	2
Frequency	<50 MHz	<110 MHz
DC Plate Voltage	12 kV	10 kV
DC Plate Current	5.6 A	4.9 A
Grid 1 Current	0.6 A	0.55 A
Grid 2 Current	0.22 A	0.19 A
Grid 2 Dissipation	176 W	152 W
Grid 1 Voltage	-230 V	-220 V
Grid 2 Voltage	800 V	800 V
Plate Output Power	53 kW	37.5 kW
Plate Dissipation	14 kW	11 kW

Maximum Weight	4.4	kg
Maximum Length	241	mm
Maximum Diameter	130	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 220	°C
Anode cooling	water	
Max. water To at outlet	65	°C
Min. water pressure at inlet	6	bar

Maximum ratings:

DC Plate Voltage	14	kV
Frequency	110	MHz
Grid 1 Dissipation	70	W
Grid 2 Dissipation	250	W
Plate Dissipation	30	kW
Plate Output Power	53	kW

